

# ALDOT: I-10 Mobile River Bridge and Bayway Project

August 7, 2023

## Construction Costs (2023 Dollars)

Project Section/Component	Description/Comments	Project # 1 Cost	Project # 2 Cost	Total Program Cost
Main Span Unit (Inc. Belvedere)	Span arrangement is 585'-1,380'-585', 12' inside, 3-12' lanes, 12' outside, 1.5' barriers, 5.5' cable anchorage zones	\$ 522,726,290	\$ -	\$ 522,726,290
High Level Approaches <i>(Inc. Straddle Bents &amp; Cofferdams)</i>	3 lanes in each direction, 12' inside, 3-12' lanes, 12' outside, 1.5' barriers, various span lengths and structure types	\$ 444,266,970	\$ -	\$ 444,266,970
Virginia Street Interchange	Diverging diamond	\$ 98,649,600	\$ -	\$ 98,649,600
West Tunnel Interchange (Water St.)	Diverging diamond	\$ 104,445,600	\$ -	\$ 104,445,600
East Tunnel Interchange	Reconstruction of existing	\$ 236,940,900	\$ -	\$ 236,940,900
<i>East Tunnel Interchange Rehabilitation</i>	<i>Cost Reduction - Switch from Replacement to Rehab</i>	\$ (200,000,000)	\$ -	\$ (200,000,000)
Bayway Mainline	Bayway Mainline portion (From Sta. 582+38 to 622+00)	\$ 94,120,004	\$ -	\$ 94,120,004
Aesthetic Lighting	Main span unit only	\$ 14,197,700	\$ -	\$ 14,197,700
Maintenance of Traffic		\$ 29,400,000	\$ -	\$ 29,400,000
Bayway - Full Replacement (Mainline)	Full replacement of the Bayway with 3 lanes in each direction, 8' inside, 3-12' lanes, 10' outside, 1.2' barriers	\$ -	\$ 773,142,840	\$ 773,142,840
Mid-Bay Interchange	Signalized with strengthened ramps	\$ -	\$ 48,027,000	\$ 48,027,000
US 90 / 98 Eastern Shore Interchange	Reconstruction of existing	\$ -	\$ 36,000,000	\$ 36,000,000
Toll Collection Equipment	<i>(Provided by ALDOT)</i>	\$ -	\$ 9,989,100	\$ 9,989,100
ITS	Complete replacement of ITS on Bayway	\$ -	\$ 14,381,400	\$ 14,381,400
Demolition of Bayway & Ramps	For New Bayway Bridge Construction	\$ -	\$ 31,064,000	\$ 31,064,000
Demolition of Remaining Bayway	For Remaining Existing Bayway Bridge (Post Construction)	\$ -	\$ 47,332,000	\$ 47,332,000
<b>SUBTOTAL =</b>		<b>\$ 1,344,747,064</b>	<b>\$ 959,936,340</b>	<b>\$ 2,304,683,404</b>

\*Updated Costs by ALDOT due to scope refinements

\*Updated Costs by ALDOT due to scope refinements

## ADDITIONAL COSTS

Project Section/Component	Description/Comments	Project # 1 Cost	Project # 2 Cost	Total Program Cost
Project Design / Construction Engineering	<i>(% of Construction)</i>	\$ 85,855,806	\$ 62,871,480	\$ 148,727,286
Project Construction QC / IQF/CEI	<i>(% of Construction)</i>	\$ 122,651,151	\$ 89,816,400	\$ 212,467,551
Project Change Orders	<i>(% of Construction)</i>	\$ 24,530,230	\$ 17,963,280	\$ 42,493,510
Utility Relocation		\$ 25,000,000	\$ 2,195,223	\$ 27,195,223
RR Flagger Costs	\$2.0M x 1.28% Escalation	\$ 2,560,000	\$ -	\$ 2,560,000
Environmental Mitigation	<i>(To be included in Project # 2, per ALDOT)</i>	\$ -	\$ 14,314,000	\$ 14,314,000
<b>SUBTOTAL =</b>		<b>\$ 260,597,187</b>	<b>\$ 187,160,383</b>	<b>\$ 447,757,570</b>

Incurred Costs since estimate	
\$ 71,281,553	Future Additional Costs: \$ 376,476,017

<b>GRAND TOTAL =</b>	<b>\$ 1,605,344,251</b>	<b>\$ 1,147,096,723</b>	<b>\$ 2,752,440,974</b>
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Previously Incurred Costs Not Part of this estimate:	\$ 107,700,000
Incurred Costs that are part of this estimate:	\$ 71,281,553
<b>Total Previously Incurred Costs:</b>	<b>\$ 178,981,553</b>
<b>2023 dollars Future Eligible Costs:</b>	<b>\$ 2,681,159,421</b>
<b>Grand Total (Total Project Cost):</b>	<b>\$ 2,860,140,974</b>

**ALDOT: I-10 Mobile River Bridge (Project #1)**  
**Updated Summary of Estimated Project Cost Estimate (2023 Dollars)**  
 August 7, 2023



	<u>Main Span (FT)</u>	<u>HLA (FT)</u>
Original Width =	74.00	63.00
Reduced Width =	68.00	57.00
% Width Reduction =	92%	90%

**Construction Costs (2023 Dollars)**

Project Section/Component	Description/Comments	Original Width Cost	% Adjustment for Reduced Width	Reduced Width Cost	Contingency	Reduced Width Cost w/Contingency
Main Span Unit	Span arrangement is 585'-1,380'-585', 12' inside, 3-12' lanes, 12' outside, 1.5' barriers, 5.5' cable anchorage zones	\$ 472,334,546	97%	\$ 459,568,747	10%	\$ 505,525,622
Main Span Unit - Belvedere	Shared Use Path, Elev. / Stair Tower, Ped Path and Belvedere at Main Tower	\$ 15,926,544	100%	\$ 15,926,544	8%	\$ 17,200,668
Bayway Mainline	Bayway Mainline portion (From Sta. 582+38 to 622+00)	\$ 87,148,152	100%	\$ 87,148,152	8%	\$ 94,120,004
High Level Approaches (Inc. Straddle Bents & Cofferdams)	3 lanes in each direction, 12' inside, 3-12' lanes, 12' outside, 1.5' barriers, various span lengths and structure types	\$ 417,121,000	97%	\$ 403,879,063	10%	\$ 444,266,970
Virginia Street Interchange	Diverging diamond	\$ 93,952,000	100%	\$ 93,952,000	5%	\$ 98,649,600
West Tunnel Interchange (Water St.)	Diverging diamond	\$ 99,472,000	100%	\$ 99,472,000	5%	\$ 104,445,600
East Tunnel Interchange	Reconstruction of existing	\$ 225,658,000	100%	\$ 225,658,000	5%	\$ 236,940,900
East Tunnel Interchange Rehabilitation	Cost Reduction - Switch from Replacement to Rehab	\$ (200,000,000)	100%	\$ (200,000,000)	0%	\$ (200,000,000)
Aesthetic Lighting	Main span unit only	\$ 12,907,000	100%	\$ 12,907,000	10%	\$ 14,197,700
Maintenance of Traffic		\$ 28,000,000	100%	\$ 28,000,000	5%	\$ 29,400,000
Toll Collection Equipment	(To be included in Project # 2, per ALDOT)	\$ -		\$ -	0%	\$ -
Bike / Ped Facilities	(Excluded from Project # 1, per M Baker)	\$ -		\$ -	0%	\$ -
ITS	(To be included in Project # 2, for Bayway ITS)	\$ -		\$ -	0%	\$ -
<b>SUBTOTAL =</b>				<b>\$ 1,226,511,507</b>		<b>\$ 1,344,747,064</b>

**ADDITIONAL COSTS**

Project Section/Component	Description/Comments	Contingency	Reduced Width Cost
Project Design / Construction Engineering	(% of Construction w/o Contingency)	7%	\$ 85,855,806
Project Construction QC / IQF/CEI	(% of Construction w/o Contingency)	10%	\$ 122,651,151
Project Change Orders	(% of Construction w/o Contingency)	2%	\$ 24,530,230
Utility Relocation		LS	\$ 25,000,000
RR Flagger Costs	\$2.0M x 1.28% Escalation	LS	\$ 2,560,000
Environmental Mitigation	(To be included in Project # 2, per ALDOT)	LS	
Mobilization	(Is included in the overhead factor)	0%	\$ -
Gross Receipts Tax	NOTE - Toll Authority projects are exempt from gross receipt taxes and from state level sales taxes	0%	\$ -
<b>SUBTOTAL =</b>			<b>\$ 260,597,187</b>

**ESTIMATED TOTAL PROJECT #1 COST = \$ 1,605,344,251**

**Costs no longer included in MBR Project # 1 (For Information Only)**

Project Section/Component	Description/Comments	Projected Cost	Contingency	Reduced Width Cost
Bike / Ped Facilities	(Excluded from Project # 1, per M Baker)	\$ 5,735,373	15%	\$ 6,595,679
<b>SUBTOTAL =</b>		<b>\$ 5,735,373</b>		<b>\$ 6,595,679</b>

**ALDOT: I-10 Bayway Project (Project #2)**  
**Updated Summary of Estimated Project Cost Estimate (2023 Dollars)**  
 August 7, 2023



**Construction Costs (2023 Dollars)**

Project Section/Component	Description/Comments	Projected Cost	Contingency	Projected Cost (w/ Contingency)
Bayway - Full Replacement (Mainline)	Full replacement of the Bayway with 3 lanes in each direction, 8' inside, 3-12' lanes, 10' outside, 1.2' barriers	\$ 715,873,000	8%	\$ 773,142,840
Mid-Bay Interchange	Signalized with strengthened ramps	\$ 45,740,000	5%	\$ 48,027,000
US 90 / 98 Eastern Shore Interchange	Reconstruction of existing	\$ 36,000,000	5%	\$ 37,800,000
Toll Collection Equipment	(Provided by ALDOT)	\$ 9,081,000	10%	\$ 9,989,100
ITS	Complete replacement of ITS on Bayway	\$ 13,074,000	10%	\$ 14,381,400
Demolition of Bayway & Ramps	For New Bayway Bridge Construction	\$ 31,064,000	0%	\$ 31,064,000
Demolition of Remaining Bayway	For Remaining Existing Bayway Bridge (Post Construction)	\$ 47,332,000	0%	\$ 47,332,000
<b>SUBTOTAL =</b>		<b>\$ 898,164,000</b>		<b>\$ 961,736,340</b>

**ADDITIONAL COSTS**

Project Section/Component	Description/Comments	Projected Cost
Project Design / Construction Engineering	(% of Construction w/o Contingency)	7% \$ 62,871,480
Project Construction QC / IQF/CEI	(% of Construction w/o Contingency)	10% \$ 89,816,400
Project Change Orders	(% of Construction w/o Contingency)	2% \$ 17,963,280
Utility Relocation	(Provided by ALDOT)	LS \$ 2,195,223
Environmental Mitigation	(Provided by ALDOT)	LS \$ 14,314,000
Mobilization	(Is included in the overhead factor)	0% \$ -
Gross Receipts Tax	NOTE - Toll Authority projects are exempt from gross receipt taxes and from state level sales taxes	0% \$ -
<b>SUBTOTAL =</b>		<b>\$ 187,160,383</b>

**ESTIMATED TOTAL PROJECT #2 COST = \$ 1,148,896,723**



**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

**Project Section/Component**

**MRB Bike/Ped Options - Belvedere Alternatives**

**Shared Use Path to MRB Elevator/Stairs**

Description	Length	Width	Quantity	2017\$	2023\$		
				Unit Cost	Unit Cost		
CONC SIDEWALKS (6")	500		666.67	50.00	67.25	/sy	\$ 44,833.33
RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	500		500	0.50	0.60	/lf	\$ 300.00
RE PM W/RET REQ TY I (Y)6"(BRK)(100MIL)	500		500	0.50	0.60	/lf	\$ 300.00
REFL PAV MRK TY I (W)(BIKE ARW)	500		4	150.00	180.00	/ea	\$ 720.00
REFL PAV MRK TY I (W)(BIKE SYML)	500		4	300.00	375.00	/ea	\$ 1,500.00
IN SM RD SN SUP&AM TY10BWG(1)SA(T)	500		4	500.00	610.00	/ea	\$ 2,440.00
<b>Total</b>							<b>\$ 50,093</b>
<b>Subtotal</b>							<b>\$ 50,093</b>
<b>Overhead 25%</b>							<b>\$ 12,523</b>
<b>Markup 15%</b>							<b>\$ 9,393</b>
<b>Total</b>							<b>\$ 72,009</b>

**BASE REQUIREMENT**

**Belvedere at Main Tower**

**12-Path on North Side (604 ft X 12 ft)**

Segment	Length	Width	Area	2017\$	2023\$	Number	Extended Cost	Notes
				Unit Cost	Unit Cost			
Pedestrian Walkway (From Anchor Pier to Main Tower, and beyond main tower)	ft	ft	0 sf			/sf	1 \$ -	
Pedestrian Bridge over Two (2) Railroad Tracks	150 ft	15 ft	2,250 sf		\$ 200.00	/sf	1 \$ 450,000	
Elevator Tower Landing	34.67 ft	16.58 ft	575 sf	\$ 697.80	\$ 960.00	/sf	1 \$ 401,157	Does not include elevator or housing
Belvedere	50.67	16.08	815 sf	\$ 697.80	\$ 960.00	/sf	1 \$ 568,629	
Elevator w/ Stairtower				\$ 6,820,000	\$ 9,383,000	/ea	1 \$ 9,383,000	One elevator and stairtower
	235.33 ft		3640 sf				<b>Total \$ 10,802,787</b>	
<b>Contingency (0%)</b>							<b>\$ -</b>	
<b>Subtotal</b>							<b>\$ 10,802,787</b>	
<b>Overhead 25%</b>							<b>\$ 2,700,697</b>	
<b>Markup 15%</b>							<b>\$ 2,025,523</b>	
<b>Total</b>							<b>\$ 15,529,006</b>	

**Estimate from Touchstone on the Elevator and Stairtower**

1. Tower will consist of a steel frame and glass curtain wall system
2. Interior of tower will be conditioned space
3. Tower includes interior stair
4. 1 traction elevator is included
5. Interior is fully sprinklered



**ORDER OF MAGNITUDE COST ESTIMATE**

MOBILE RIVER BRIDGE ELEVATOR/STAIR TOWER

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
175	Structural Steel (Beams & Columns) Qty = Tons	\$3,800.00	\$665,000.00
35	Structural Steel Ms c. (20% of Beams and Columns) Qty = Tons	\$3,800.00	\$133,000.00
28,800	Curtain Wall System (Impact Resistant Insulated Glass)	\$110.00	\$3,168,000.00
1	Traction Gearless Elevator System (3500lb, 30 Floors, 600FPM)	\$896,500.00	\$896,500.00
15	Spread Footing Foundation (Load 300K, soil capacity @ KSF, 7'-6" sq. x 2)	\$1,475.00	\$22,125.00
19200	Wet Pipe Sprinkler System (Cost per sq. ft. up to 50,000 S.F.)	\$2.84	\$54,528.00
24	Stairs (20 Risers, w/landing)	\$17,275.00	\$414,600.00
3600	Steel Column Fireproofing (Cost per V.L.F.) 1/2" Fire Rated	\$36.45	\$131,220.00
19200	Chilled Water, Cooling Tower System (Up to 20,000 S.F., 66.66 ton)	\$12.95	\$248,640.00
6896108	Electrical (10% of Total Cost)	\$0.01	\$68,961.08
800	Roof Construction Steel Joists, Beams, & Deck on Columns (30X30, 90)	\$8.93	\$7,144.00
800	Slab on Grade (8" Thick, Reinforced)	\$7.50	\$6,000.00
<b>SUBTOTAL</b>			<b>\$5,815,718.08</b>
<b>CONTINGENCY</b>			<b>20.00%</b>
<b>ALL DATA EXCEPT CURTAIN WALL SYSTEMS PULLED FROM 2016 RS MEANS SQUARE FOOT COSTS. CURTAIN WALL ESTIMATE PROVIDED BY KAWNEER.</b>			<b>CONTINGENCY BUDGET \$1,163,143.62</b>
<b>BUDGET</b>			<b>\$1,163,143.62</b>
<b>RELOCATION MULTIP</b>			<b>(\$767,674.71)</b>
<b>TOTAL</b>			<b>\$6,211,186.99</b>

**TOTAL = \$6,820,000**  
**FOR ESTIMATE**

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

**WEST HIGH LEVEL APPROACH**

Item description	Units	2023 Direct Unit Cost	2023 Unit Price	Quantity	2023 Unit Price	2023 Cost
<b>Superstructure Unit Costs</b>						
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$ 1.39	\$ 2.00	2,960,513	\$ 2.00	\$ 5,934,625.86
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$ 650.00	\$ 934.38	16,447	\$ 934.38	\$ 15,367,665.63
Elastomeric Bearing	Each	\$ 3,100.00	\$ 4,456.25	528	\$ 4,456.25	\$ 2,352,900.00
Concrete Girders, FIB 78	Linear Foot	\$ 400.08	\$ 575.11	42,489	\$ 575.11	\$ 24,435,755.85
Structural Steel Girders	LB	\$ 3.35	\$ 4.82	5,730,000	\$ 4.82	\$ 27,593,531.25
Disk Bearings	Each	\$ 4,235.00	\$ 6,087.81	50	\$ 6,087.81	\$ 304,390.63
Structural Steel, (armor plate, studs)	Linear Foot	\$ 350.00	\$ 503.13	692	\$ 503.13	\$ 348,162.50
Modular Expansion Joints	Linear Foot	\$ 2,500.00	\$ 3,593.75	239	\$ 3,593.75	\$ 858,906.25
<b>Substructure Unit Costs</b>						
Steel Reinforcement for Bridge Substructure	Pound	\$ 1.39	\$ 2.00	8,106,860	\$ 2.00	\$ 16,250,960.89
Steel Piling Furnished And Driven (HP 14x117)	Linear Foot	\$ 121.96	\$ 175.32	211,760	\$ 175.32	\$ 37,125,233.80
Bridge Substructure Concrete (Pier Column Solid)	Cubic Yard	\$ 690.00	\$ 991.88	1,460	\$ 991.88	\$ 1,448,137.50
Bridge Substructure Concrete (Pier Column Hollow)	Cubic Yard	\$ 780.00	\$ 1,121.25	13,615	\$ 1,121.25	\$ 15,265,818.75
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$ 965.00	\$ 1,387.19	9,966	\$ 1,387.19	\$ 13,824,710.63
Bridge Substructure Concrete (Pier Straddle Bent)	Cubic Yard	\$ 1,700.00	\$ 2,443.75	442	\$ 2,443.75	\$ 1,080,137.50
Bridge Substructure Concrete (Pile Cap)	Cubic Yard	\$ 335.00	\$ 481.56	34,466	\$ 481.56	\$ 16,597,533.13
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$ 460.00	\$ 661.25	102	\$ 661.25	\$ 67,447.50
Post Tensioning Substructure Strand (Straddle Bents)	Pound	\$ 6.70	\$ 9.63	20,366	\$ 9.63	\$ 196,149.80
<b>Miscellaneous</b>						
Concrete Railing (TF-2 W/Metal Rail)	Linear Foot	\$ 130.00	\$ 186.88	9,081	\$ 186.88	\$ 1,697,011.88
Concrete Median (BBr-M (54))	Linear Foot	\$ 114.00	\$ 163.88	4,541	\$ 163.88	\$ 744,156.38
Concrete End Slab	Square Foot	\$ 20.00	\$ 28.75	2,639	\$ 28.75	\$ 75,871.25
Grinding & Grooving	Square Foot	\$ 1.00	\$ 1.44	516,860	\$ 1.44	\$ 742,986.25
Structural Excavation	Cubic Yard	\$ 25.00	\$ 35.94	58,561	\$ 35.94	\$ 2,104,535.94
Structural Backfill	Cubic Yard	\$ 30.00	\$ 43.13	19,965	\$ 43.13	\$ 860,990.63
Cofferdams	Square Foot	\$ 35.00	\$ 50.31	124,370	\$ 50.31	\$ 6,257,365.63
Seal Concrete (Land Piers)	Cubic Yard	\$ 225.00	\$ 323.44	4,131	\$ 323.44	\$ 1,336,120.31
Precast Soffit Panel (Water Piers)	Square Foot	\$ -	\$ -	-	\$ -	\$ -
					<b>SUBTOTAL =</b>	<b>\$ 192,871,106</b>
					Bridge Area (SF):	530,483

**\$ 364 / SF**

<b>Overhead Factors</b>	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

**EAST HIGH LEVEL APPROACH**

Item description	Units	2023 Direct Unit Cost	2023 Unit Price	Quantity	2023 Unit Price	2023 Cost
<b>Superstructure Unit Costs</b>						
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$ 1.39	\$ 2.00	3,078,176	\$ 2.00	\$ 6,170,492.37
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$ 650.00	\$ 934.38	17,101	\$ 934.38	\$ 15,978,746.88
Elastomeric Bearing	Each	\$ 3,100.00	\$ 4,456.25	472	\$ 4,456.25	\$ 2,103,350.00
Concrete Girders, FIB 78	Linear Foot	\$ 400.08	\$ 575.11	35,292	\$ 575.11	\$ 20,296,704.92
Structural Steel Girders	LB	\$ 3.35	\$ 4.82	9,256,932	\$ 4.82	\$ 44,577,912.58
Disk Bearings	Each	\$ 4,235.00	\$ 6,087.81	118	\$ 6,087.81	\$ 718,361.88
Structural Steel, (armor plate, studs)	Linear Foot	\$ 350.00	\$ 503.13	460	\$ 503.13	\$ 231,437.50
Modular Expansion Joints	Linear Foot	\$ 2,500.00	\$ 3,593.75	591	\$ 3,593.75	\$ 2,123,906.25
<b>Substructure Unit Costs</b>						
Steel Reinforcement for Bridge Substructure	Pound	\$ 1.39	\$ 2.00	8,962,376	\$ 2.00	\$ 17,965,922.91
Steel Piling Furnished And Driven (HP 14x117)	Linear Foot	\$ 121.96	\$ 175.32	231,100	\$ 175.32	\$ 40,515,874.25
Bridge Substructure Concrete (Pier Column Solid)	Cubic Yard	\$ 690.00	\$ 991.88	5,943	\$ 991.88	\$ 5,894,713.13
Bridge Substructure Concrete (Pier Column Hollow)	Cubic Yard	\$ 780.00	\$ 1,121.25	11,128	\$ 1,121.25	\$ 12,477,270.00
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$ 965.00	\$ 1,387.19	9,540	\$ 1,387.19	\$ 13,233,768.75
Bridge Substructure Concrete (Pier Straddle Bent)	Cubic Yard	\$ 1,700.00	\$ 2,443.75	3,125	\$ 2,443.75	\$ 7,636,718.75
Bridge Substructure Concrete (Pile Cap)	Cubic Yard	\$ 335.00	\$ 481.56	36,651	\$ 481.56	\$ 17,649,747.19
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$ -	\$ -	-	\$ -	\$ -
Post Tensioning Substructure Strand (Straddle Bents)	Pound	\$ 6.70	\$ 9.63	145,945	\$ 9.63	\$ 1,405,628.51
<b>Miscellaneous</b>						
Concrete Railing (TF-2 W/Metal Rail)	Linear Foot	\$ 130.00	\$ 186.88	9,503	\$ 186.88	\$ 1,775,873.13
Concrete Median (BBr-M (54))	Linear Foot	\$ 114.00	\$ 163.88	4,751	\$ 163.88	\$ 778,570.13
Concrete End Slab	Square Foot	\$ -	\$ -	-	\$ -	\$ -
Grinding & Grooving	Square Foot	\$ 1.00	\$ 1.44	542,210	\$ 1.44	\$ 779,426.88
Structural Excavation	Cubic Yard	\$ 25.00	\$ 35.94	52,044	\$ 35.94	\$ 1,870,331.25
Structural Backfill	Cubic Yard	\$ 30.00	\$ 43.13	17,079	\$ 43.13	\$ 736,531.88
Cofferdams	Square Foot	\$ 35.00	\$ 50.31	103,568	\$ 50.31	\$ 5,210,765.00
Seal Concrete (Land Piers)	Cubic Yard	\$ 225.00	\$ 323.44	3,521	\$ 323.44	\$ 1,138,823.44
Precast Soffit Panel (Water Piers)	Square Foot	\$ 100.00	\$ 143.75	20,727	\$ 143.75	\$ 2,979,506.25
					<b>SUBTOTAL =</b>	<b>\$ 224,250,384</b>
					Bridge Area (SF):	556,465

**\$ 403 / SF**

<b>Overhead Factors</b>	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

**Project Section/Component**

**Virginia Street Interchange and West Main Line Roadway**

**SUMMARY OF ESTIMATED COST**

**PAGE 1**

PROJECT NO.:

COUNTY: **Mobile**

ALTERNATE NO.: **VA DDI WITH ADJACENT APPROACHES ALTERNATIVE**

WORK DESCRIPTION: **Virginia Interchange, Ramps & Mainline**

DATE PREPARED: **4/17/2024**

DATE PMS REVISED:

ALDOT OVERHEAD PERCENTAGE: **0.00%**

**ROADWAY ITEMS**

ITEM DESCRIPTION	UNIT	QUANTITY	2017\$ UNIT COST	2023\$ UNIT COST	AMOUNT
<b>ROADWAY:</b>					
UNCLASSIFIED EXCAV. (210A-000)	CY	12,441	7.50	17.78	\$221,201
BORROW EXCAVATION (210D-000)	CY	248,818	13.50	29.90	\$7,439,658
WASTE EXCAVATION	CY	0	0.00	0.00	\$0
<b>MAJOR DRAINAGE</b>					
48" PIPE (530A-006)	LF	0	0.00		\$0
54" PIPE (530A-007)	LF	0	0.00		\$0
60" PIPE (530A-008)	LF	0	0.00		\$0
66" PIPE (530A-009)	LF	0	0.00		\$0
72" PIPE (530A-010)	LF	0	0.00		\$0
BOX CULV'T CONC. (524A-010)	CY	3,675	2,100	2,550	\$9,371,250
STEEL REINF. (502A-000)	LB	573,300	3.00	3.75	\$2,149,875

NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.

**BASE AND PAVEMENT - FREEWAY AND RAMPS**

FREEWAY TRAVELWAY - RESURFACE	SY	52,529	13.85	13.93	\$731,729
FREEWAY TRAVELWAY - NEW LOCATION	SY	9,712	76.00	92.50	\$898,360
RAMP TRAVELWAY - RESURFACE	SY	10,578	13.85	14.23	\$150,525
RAMP TRAVELWAY - NEW LOCATION	SY	5,280	52.00	54.17	\$286,018
TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	22,704	67.50	76.45	\$1,735,721
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	8,012	43.00	44.14	\$353,650
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	0	50.50	48.77	\$0

**BASE AND PAVEMENT - HIGH VOLUME**

CROSS AND ACCESS ROADS: <b>DDI &amp; Local Roads</b>					
TRAVELWAY (4 - 6 LANE SECTION) - RESURFACE	SY	3,516	13.85	14.67	\$51,580
TRAVELWAY (4 - 6 LANE SECTION) - NEW LOCATION	SY	24,842	44.50	53.79	\$1,336,251
TRAVELWAY (2 - 3 LANE SECTION)	SY	0	41.50	53.79	\$0
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	4,746	41.50	47.48	\$225,340
LEVELING	Ton	0	100.00	135.00	\$0

**BASE AND PAVEMENT - LOW VOLUME**

CROSS AND ACCESS ROADS:					
TRAVELWAY	SY	0	19.50	25.04	\$0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	3.12	\$0

**SUMMARY OF ESTIMATED COST**

**PAGE 2**

PROJECT NO.:

COUNTY: **Mobile**

ALTERNATE NO.: **VA DDI WITH ADJACENT APPROACHES ALTERNATIVE**

WORK DESCRIPTION: **Virginia Interchange, Ramps & Mainline**

DATE PREPARED: **4/17/24**

DATE PMS REVISED:

ALDOT OVERHEAD PERCENTAGE: **0.00%**

ITEM DESCRIPTION	UNIT	QUANTITY	2017\$ UNIT COST	2023\$ UNIT COST	AMOUNT
<b>BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS</b>					
TRAVELWAY - PAVED RESURFACE	SY	0	9.25	10.57	\$0
TRAVELWAY - PAVED NEW LOCATION	SY	0	27.00	38.96	\$0
TRAVELWAY - UNPAVED	SY	0	2.75	3.37	\$0

SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	2.82	\$0
<b>MISCELLANEOUS ITEMS</b>					
TRAFFIC BARRIER (I-10 barrier replacement + VA DDI Median Barrier & Safety barrier between I-10 and E/B CD lanes)	LF	12,486	81.50	100.00	\$1,248,599
SIGNALIZATION/INTERSECTION (@ VA DDI)	LS	1	500,000	640,000	\$640,000
MINOR DRAINAGE	LS	1	1,500,000	1,920,000	\$1,920,000
TRAFFIC CONTROL	LS	0	1,377,000	1,762,560	\$0
EROSION CONTROL	LS	1	1,500,000	1,920,000	\$1,920,000
ROADWAY LIGHTING	LS	1	185,000	236,800	\$236,800
ITS	LS	1	250,000	320,000	\$320,000
SIGNING AND STRIPING	LS	1	1,550,000	1,984,000	\$1,984,000
LANDSCAPING	LS	1	25,355	32,454	\$32,454
<b>ROADWAY SUBTOTAL</b>					<b>\$33,253,011</b>
CONTINGENCIES (0 PERCENT)					0.00
<b>ROADWAY TOTAL</b>					<b>\$33,253,011</b>

**SUMMARY OF ESTIMATED COST**

PROJECT NO.:  
COUNTY: Mobile  
ALTERNATE NO.: VA DDI WITH ADJACENT APPROACHES ALTERNATIVE  
WORK DESCRIPTION: Virginia Interchange, Ramps & Mainline  
DATE PREPARED: 4/17/24  
DATE PMS REVISED:  
ALDOT OVERHEAD PERCENTAGE: 0.00%

BRIDGE ITEMS	UNIT	QUANTITY	2017\$ UNIT COST	2023\$ UNIT COST	AMOUNT
<b>RETAINING WALLS</b>					
RETAINING WALL SUBTOTAL	SF	30,760	75.00	96.00	\$2,952,960
CONTINGENCIES (0 PERCENT)					\$0
<b>RETAINING WALL TOTAL</b>					<b>\$2,952,960</b>
<b>BRIDGE STRUCTURES (LOW LEVEL)</b>					
STRIPING & MARKING	LS	1	\$176,956	226,503	\$226,503
TRAFFIC CONTROL	LS	0	\$707,823	906,014	\$0
BRIDGE STRUCTURE SUBTOTAL					\$226,503
CONTINGENCIES (0 PERCENT)					\$0
<b>BRIDGE STRUCTURE TOTAL</b>					<b>\$226,503</b>
<b>BRIDGE CULVERTS</b>					
BR. CULV'T CONCRETE (524A-010)	CY	0	0.00	0.00	0
STEEL REINF. (502A-000)	LB	0	0.00	0.00	0
BRIDGE CULVERT SUBTOTAL					\$0
CONTINGENCIES (0 PERCENT)					\$0
<b>BRIDGE CULVERT TOTAL</b>					<b>\$0</b>
<b>BRIDGE ITEMS TOTAL</b>					<b>\$3,179,463</b>

<b>DEMOLITION ON THE WEST SIDE OF PROJECT (See ROADWAY DEMO Tab)</b>		<b>\$1,291,042</b>
<b>ROADWAY AND BRIDGE SUBTOTAL</b>		<b>\$37,723,517</b>
Overhead	25%	\$9,430,879
Markup	15%	\$7,073,159
<b>ROADWAY AND BRIDGE TOTAL</b>		<b>\$54,227,555</b>

ENGINEERING INSPECTION (15 PERCENT)		\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)	0.00%	\$0

CONSTRUCTION COST TOTAL (INPUT FOR CPMS)	\$0
RIGHT-OF-WAY COSTS	\$0
UTILITY RELOCATION	\$0
Additional Asphalt Cost (new KMT pavement section)	\$3,000,000
<b>GRAND TOTAL =</b>	<b>\$57,227,555</b>

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

VIRGINIA STREET INTERCHANGE BRIDGES				BRIDGE # 1 (I-10 over Tennessee Street and ICR)			BRIDGE # 2 (I-10 over South Carolina Street)			BRIDGE # 3 (I-10 over Virginia Street)			BRIDGE # 4 (EB Ramp over Texas St.)			BRIDGE # 5 (WB Ramp over Texas St.)			GRAND TOTAL
				Bridge Area (SF): 41,942			Bridge Area (SF): 35,408			Bridge Area (SF): 35,084			Bridge Area (SF): 31,748			Bridge Area (SF): 8,910			
Item description	Units	2023 Direct Unit Cost	2023 Unit Price	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	2023 Cost
<b>Superstructure Unit Costs</b>																			
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$ 1.39	\$ 2.00	316,838	\$ 2.00	\$ 635,131.47	260,504	\$ 2.00	\$ 522,204.69	250,816	\$ 2.00	\$ 502,784.19	174,118	\$ 2.00	\$ 349,035.85	49,403	\$ 2.00	\$ 99,032.95	\$ 2,108,189.15
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$ 610.00	\$ 876.88	1,408	\$ 876.88	\$ 1,234,789.07	1,158	\$ 876.88	\$ 1,015,421.25	1,115	\$ 876.88	\$ 977,715.63	810	\$ 876.88	\$ 710,268.75	230	\$ 876.88	\$ 201,681.25	\$ 4,139,875.94
Elastomeric Bearing	Each	\$ 525.00	\$ 754.69	108	\$ 754.69	\$ 81,506.25	60	\$ 754.69	\$ 45,281.25	104	\$ 754.69	\$ 78,487.50	102	\$ 754.69	\$ 76,978.13	24	\$ 754.69	\$ 18,112.50	\$ 300,365.63
Concrete Girders, Type III ASHTD	Linear Foot	\$ 233.73	\$ 335.98	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	4,030	\$ 335.98	\$ 1,354,003.93	1,038	\$ 335.98	\$ 348,748.41	\$ 1,702,752.34
Concrete Girders, FIB 36	Linear Foot	\$ 391.20	\$ 432.98	1,600	\$ 432.98	\$ 692,760.00	-	\$ -	\$ -	1,320	\$ 432.98	\$ 571,527.00	-	\$ -	\$ -	-	\$ -	\$ -	\$ 1,264,287.00
Concrete Girders, FIB 54	Linear Foot	\$ 367.75	\$ 528.64	4,760	\$ 528.64	\$ 2,516,329.38	-	\$ -	\$ -	2,280	\$ 528.64	\$ 1,205,300.63	-	\$ -	\$ -	-	\$ -	\$ -	\$ 3,721,630.00
Concrete Girders, FIB 72	Linear Foot	\$ 403.00	\$ 578.31	-	\$ -	\$ -	4,650	\$ 579.31	\$ 2,691,803.13	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 2,693,803.13
Expansion Joint Sealant	Linear Foot	\$ 200.00	\$ 287.50	572	\$ 287.50	\$ 164,450.00	457	\$ 287.50	\$ 131,387.50	1,049	\$ 287.50	\$ 301,587.50	288	\$ 287.50	\$ 82,800.00	104	\$ 287.50	\$ 29,900.00	\$ 710,125.00
<b>Substructure Unit Costs</b>																			
Steel Reinforcement (Grade 60) (Bridge Substructure)	Pound	\$ 1.39	\$ 2.00	174,838	\$ 2.00	\$ 350,479.16	80,650	\$ 2.00	\$ 161,670.49	201,502	\$ 2.00	\$ 403,929.65	134,169	\$ 2.00	\$ 268,954.34	34,818	\$ 2.00	\$ 69,795.95	\$ 1,254,829.58
Steel Piling Furnished And Driven (HP 14x73)	Linear Foot	\$ 90.50	\$ 130.09	15,600	\$ 130.09	\$ 2,029,462.50	15,750	\$ 130.09	\$ 2,048,976.56	13,500	\$ 130.09	\$ 1,756,265.63	19,200	\$ 130.09	\$ 2,497,800.00	4,800	\$ 130.09	\$ 624,450.00	\$ 8,956,954.69
Bridge Substructure Concrete (Pier Column)	Cubic Yard	\$ 1,000.00	\$ 1,437.50	62	\$ 1,437.50	\$ 117,875.00	-	\$ -	\$ -	96	\$ 1,437.50	\$ 138,000.00	68	\$ 1,437.50	\$ 97,750.00	10	\$ 1,437.50	\$ 14,375.00	\$ 388,000.00
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$ 1,300.00	\$ 1,868.75	178	\$ 1,868.75	\$ 322,637.50	-	\$ -	\$ -	340	\$ 1,868.75	\$ 635,375.00	172	\$ 1,868.75	\$ 321,425.00	29	\$ 1,868.75	\$ 54,193.75	\$ 1,344,631.25
Bridge Substructure Concrete (Pile Cap)	Cubic Yard	\$ 500.00	\$ 718.75	187	\$ 718.75	\$ 134,406.25	186	\$ 718.75	\$ 133,687.50	155	\$ 718.75	\$ 111,406.25	373	\$ 718.75	\$ 268,093.75	62	\$ 718.75	\$ 44,562.50	\$ 692,156.25
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$ 1,100.00	\$ 1,581.25	289	\$ 1,581.25	\$ 456,981.25	323	\$ 1,581.25	\$ 510,743.75	239	\$ 1,581.25	\$ 377,918.75	132	\$ 1,581.25	\$ 208,725.00	92	\$ 1,581.25	\$ 145,475.00	\$ 1,699,843.75
<b>Miscellaneous</b>																			
Concrete Railing 36"	Linear Foot	\$ 90.00	\$ 129.38	491	\$ 129.38	\$ 63,523.13	359	\$ 129.38	\$ 46,445.63	451	\$ 129.38	\$ 58,348.13	1,307	\$ 129.38	\$ 169,091.13	386	\$ 129.38	\$ 49,938.75	\$ 387,348.75
Concrete Railing 54"	Linear Foot	\$ 130.00	\$ 186.88	491	\$ 186.88	\$ 91,755.63	359	\$ 186.88	\$ 67,088.13	451	\$ 186.88	\$ 84,280.63	-	\$ -	\$ -	-	\$ -	\$ -	\$ 243,124.38
Concrete End Slab	Square Foot	\$ 20.00	\$ 28.75	19,333	\$ 28.75	\$ 555,823.75	12,813	\$ 28.75	\$ 368,373.75	16,122	\$ 28.75	\$ 463,507.50	2,382	\$ 28.75	\$ 68,482.50	2,091	\$ 28.75	\$ 60,116.25	\$ 1,516,303.75
Grinding & Grooving	Square Foot	\$ 1.00	\$ 1.44	60,437	\$ 1.44	\$ 86,128.19	34,353	\$ 1.44	\$ 49,382.44	33,714	\$ 1.44	\$ 48,463.88	31,748	\$ 1.44	\$ 45,637.75	8,910	\$ 1.44	\$ 12,808.13	\$ 214,420.38
Structural Excavation	Cubic Yard	\$ 20.00	\$ 28.75	891	\$ 28.75	\$ 25,616.25	856	\$ 28.75	\$ 24,610.00	713	\$ 28.75	\$ 20,498.75	1,778	\$ 28.75	\$ 51,117.50	312	\$ 28.75	\$ 8,970.00	\$ 130,812.50
Structural Backfill	Cubic Yard	\$ 30.00	\$ 43.13	704	\$ 43.13	\$ 30,360.00	669	\$ 43.13	\$ 28,850.63	558	\$ 43.13	\$ 24,063.75	1,405	\$ 43.13	\$ 60,580.63	250	\$ 43.13	\$ 10,781.25	\$ 154,646.25
SDE	Square Foot	\$ 15.00	\$ 21.56	4,375	\$ 21.56	\$ 94,335.94	4,300	\$ 21.56	\$ 92,668.00	2,700	\$ 21.56	\$ 58,218.75	3,694	\$ 21.56	\$ 79,643.25	2,144	\$ 21.56	\$ 46,230.00	\$ 368,990.44
				<b>\$ 230 / SF \$ 9,666,351</b>			<b>\$ 224 / SF \$ 7,938,489</b>			<b>\$ 223 / SF \$ 7,817,679</b>			<b>\$ 211 / SF \$ 6,710,400</b>			<b>\$ 206 / SF \$ 1,839,172</b>			<b>\$ 33,972,090</b>
Existing Bridge Demolition	Square Foot	\$ 15.00	\$ 21.56	40,887	\$ 21.56	\$ 881,625.94	28,396	\$ 21.56	\$ 612,288.75	28,259	\$ 21.56	\$ 609,334.69	30,113	\$ 21.56	\$ 649,311.56	-	\$ -	\$ -	\$ 2,752,560.94
				<b>SUBTOTAL = \$ 10,547,977</b>			<b>SUBTOTAL = \$ 8,550,778</b>			<b>SUBTOTAL = \$ 8,427,014</b>			<b>SUBTOTAL = \$ 7,359,711</b>			<b>SUBTOTAL = \$ 1,839,172</b>			<b>\$ 36,724,651</b>
<b>Overhead Factors</b>																			
Indirects	25%																		
Profit	15%																		
2023 Inflation	0%																		
2024 Inflation	0%																		

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

**Project Section/Component**

**West Tunnel Interchange and Approaches**

**SUMMARY OF ESTIMATED COST**

**PAGE 1**

PROJECT NO.:  
 COUNTY: **Mobile**  
 ALTERNATE NO.: **WTI DDI WITH ADJACENT APPROACHES ALTERNATIVE**  
 WORK DESCRIPTION: **West Tunnel Interchange, Ramps & Mainline**  
 DATE PREPARED: **04/17/24**  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

ROADWAY ITEMS ITEM DESCRIPTION	UNIT	QUANTITY	2017\$	2023\$	AMOUNT
			UNIT COST	UNIT COST	
<b>ROADWAY:</b>					
UNCLASSIFIED EXCAV. (210A-000)	CY	11,537	7.50	17.78	\$205,135
BORROW EXCAVATION (210D-000)	CY	173,472	13.50	29.90	\$5,186,813
BRIDGE REMOVAL (Included in Bridge Cost)	LS	0	0	0.00	\$0
WASTE EXCAVATION	CY	0	0.00	0.00	\$0
<b>MAJOR DRAINAGE</b>					
48" PIPE (530A-006)	LF	930	262.50	300.00	\$279,000
54" PIPE (530A-007)	LF	2,700	315.00	350.00	\$945,000
60" PIPE (530A-008)	LF	0	0.00		\$0
66" PIPE (530A-009)	LF	0	0.00		\$0
72" PIPE (530A-010)	LF	0	0.00		\$0
BOX CULVERT CONC. (524A-010)	CY	2,907	2,100	2,550	\$7,412,850
STEEL REINF. (502A-000)	LB	513,000	3.00	3.75	\$1,923,750

**NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.**

**BASE AND PAVEMENT - FREEWAY AND RAMPS:**

FREEWAY TRAVELWAY - RESURFACE	SY	0	13.85	13.93	\$0
FREEWAY TRAVELWAY - NEW LOCATION	SY	0	76.00	92.50	\$0
RAMP TRAVELWAY - RESURFACE	SY	19,968	13.85	14.23	\$284,145
RAMP TRAVELWAY - NEW LOCATION	SY	18,316	52.00	54.17	\$992,178
TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	0	67.50	76.45	\$0
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	7,592	43.00	44.14	\$335,111
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	15,676	50.50	48.77	\$764,519

**BASE AND PAVEMENT - HIGH VOLUME**

CROSS AND ACCESS ROADS: <b>DDI &amp; Local Roads</b>					
TRAVELWAY (4 - 6 LANE SECTION) - RESURFACE	SY	15,814	13.85	14.67	\$231,991
TRAVELWAY (4 - 6 LANE SECTION) - NEW LOCATION	SY	18,470	44.50	53.79	\$993,501
TRAVELWAY (2 - 3 LANE SECTION)	SY	0	41.50	53.79	\$0
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	6,307	41.50	47.48	\$299,456
LEVELING	Ton	0	100.00	135.00	\$0

**BASE AND PAVEMENT - LOW VOLUME**

CROSS AND ACCESS ROADS:					
TRAVELWAY	SY	0	19.50	25.04	\$0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	3.12	\$0

**SUMMARY OF ESTIMATED COST**

**PAGE 2**

PROJECT NO.: 0.00  
 COUNTY: **Mobile**  
 ALTERNATE NO.: **WTI DDI WITH ADJACENT APPROACHES ALTERNATIVE**  
 WORK DESCRIPTION: **West Tunnel Interchange, Ramps & Mainline**  
 DATE PREPARED: **4/17/2024**  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

ITEM DESCRIPTION	UNIT	QUANTITY	2017\$	2023\$	AMOUNT
			UNIT COST	UNIT COST	
<b>BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS:</b>					
TRAVELWAY - PAVED RESURFACE	SY	0	9.25	10.57	\$0
TRAVELWAY - PAVED NEW LOCATION	SY	0	27.00	38.96	\$0
TRAVELWAY - UNPAVED	SY	0	2.75	3.37	\$0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	2.82	\$0

**MISCELLANEOUS ITEMS**

TRAFFIC BARRIER (Median barrier between CD lanes)	LF	2,000	81.50	104.32	\$208,640
SIGNALIZATION/INTERSECTION (@ Royal St.)	EA	1	150,000	192,000	\$192,000
SIGNALIZATION/INTERSECTION (@ WTI DDI)	EA	1	500,000	640,000	\$640,000
MINOR DRAINAGE	LS	1	1,999,300	2,559,104	\$2,559,104
TRAFFIC CONTROL	LS	0	1,700,000	2,176,000	\$0
EROSION CONTROL	LS	1	1,400,000	1,792,000	\$1,792,000
ROADWAY LIGHTING	LS	1	250,000	320,000	\$320,000
ITS	LS	1	175,000	224,000	\$224,000
SIGNING AND STRIPING	LS	1	1,350,000	1,728,000	\$1,728,000
LANDSCAPING	LS	1	50,075	64,096	\$64,096

**ROADWAY SUBTOTAL** \$27,581,289  
CONTINGENCIES (0 PERCENT) \$0

**ROADWAY TOTAL** \$27,581,289

**SUMMARY OF ESTIMATED COST**

**PAGE 3**

PROJECT NO.: 0.00  
COUNTY: Mobile  
ALTERNATE NO.: WTI DDI WITH ADJACENT APPROACHES ALTERNATIVE  
WORK DESCRIPTION: West Tunnel Interchange, Ramps & Mainline  
DATE PREPARED: 04/17/24  
DATE PMS REVISED:  
ALDOT OVERHEAD PERCENTAGE: 0.00%

**BRIDGE ITEMS**

ITEM DESCRIPTION	UNIT	QUANTITY	2017\$ UNIT COST	2023\$ UNIT COST	AMOUNT
<b>RETAINING WALLS</b>					
RETAINING WALL SUBTOTAL	SF	32,512	75.00	96.00	\$3,121,152
					CONTINGENCIES (0 PERCENT) <u>\$0</u>
					<b>RETAINING WALL TOTAL</b> <u>\$3,121,152</u>
<b>BRIDGE STRUCTURES (LOW LEVEL)</b>					
STRIPING & MARKING	LS	1	136,565	174,803	\$174,803
TRAFFIC CONTROL	LS	0	546,260	699,213	\$0
					BRIDGE STRUCTURE SUBTOTAL <u>\$174,803</u>
					CONTINGENCIES (0 PERCENT) <u>\$0</u>
					<b>BRIDGE STRUCTURE TOTAL</b> <u>\$174,803</u>
<b>BRIDGE CULVERTS</b>					
BR. CULV'T CONCRETE (524A-010)	CY	0	0.00	0.00	0
STEEL REINF. (502A-000)	LB	0	0.00	0.00	0
					BRIDGE CULVERT SUBTOTAL <u>\$0</u>
					CONTINGENCIES (0 PERCENT) <u>\$0</u>
					<b>BRIDGE CULVERT TOTAL</b> <u>\$0</u>
					<b>BRIDGE TOTAL</b> <u><u>\$3,295,955</u></u>

<b>ROADWAY AND BRIDGE SUBTOTAL</b>		<b>\$30,877,244</b>
Overhead	25%	\$7,719,311
Markup	15%	\$5,789,483
<b>ROADWAY AND BRIDGE TOTAL</b>		<b>\$44,386,038</b>

ENGINEERING INSPECTION (15 PERCENT)		\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)	0.00%	<u>\$0</u>
CONSTRUCTION COST TOTAL (INPUT FOR CPMS)		\$0
RIGHT-OF-WAY COSTS		\$0
UTILITY RELOCATION		\$0

Additional Asphalt Cost (new KMT pavement section)

\$2,000,000

**GRAND TOTAL =**

**\$46,386,038**

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

WEST TUNNEL INTERCHANGE	Item description	Units	2023 Direct Unit Cost	2023 Unit Price	BRIDGE # 1 (WB Ramp)			BRIDGE # 2 (EB Ramp)			BRIDGE # 3 (I-10 Over Canal St.)			GRAND TOTAL								
					Bridge Area (SF):		Quantity	Bridge Area (SF):		Quantity	Bridge Area (SF):		Quantity									
					22,619	2023 Unit Price		2023 Cost	16,608		2023 Unit Price	2023 Cost			158,621	2023 Unit Price	2023 Cost					
<b>Superstructure Unit Costs</b>																						
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$	1.39	\$	2.00	120,072	\$	2.00	\$	240,695.58	87,299	\$	2.00	\$	174,999.03	875,530	\$	2.00	\$	1,755,081.97	\$	2,170,776.58
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$	610.00	\$	876.88	558	\$	876.88	\$	489,296.25	406	\$	876.88	\$	356,011.25	4,072	\$	876.88	\$	3,570,635.00	\$	4,415,942.50
Elastomeric Bearing	Each	\$	525.00	\$	754.69	98	\$	754.69	\$	73,959.38	62	\$	754.69	\$	46,790.63	442	\$	754.69	\$	333,571.88	\$	454,321.88
Concrete Girders, Type II ASHTO	Linear Foot	\$	230.60	\$	331.49	2,654	\$	331.49	\$	879,775.46	1,956	\$	331.49	\$	648,395.17	-	\$	-	\$	-	\$	1,528,170.63
Concrete Girders, Type III ASHTO	Linear Foot	\$	233.73	\$	335.98	-	\$	-	\$	-	-	\$	-	\$	-	7,986	\$	335.98	\$	2,683,145.26	\$	2,683,145.26
Concrete Girders, BT 54	Linear Foot	\$	269.99	\$	388.11	-	\$	-	\$	-	-	\$	-	\$	-	7,272	\$	388.11	\$	2,822,371.83	\$	2,822,371.83
Structural Steel Girders	LB	\$	3.63	\$	5.21	-	\$	-	\$	-	-	\$	-	\$	-	1,591,200	\$	5.21	\$	8,291,643.75	\$	8,291,643.75
Expansion Joint Sealant	Linear Foot	\$	200.00	\$	287.50	186	\$	287.50	\$	53,475.00	157	\$	287.50	\$	45,137.50	660	\$	287.50	\$	189,750.00	\$	288,362.50
<b>Substructure Unit Costs</b>																						
Steel Reinforcement (Grade 60) (Bridge Substructure)	Pound	\$	1.39	\$	2.00	156,238	\$	2.00	\$	313,193.72	100,568	\$	2.00	\$	201,597.98	606,384	\$	2.00	\$	1,215,553.58	\$	1,730,345.28
Steel Piling Furnished And Driven (HP 12x53)	Linear Foot	\$	74.00	\$	106.38	-	\$	-	\$	-	-	\$	-	\$	-	2,400	\$	106.38	\$	255,300.00	\$	255,300.00
Steel Piling Furnished And Driven (HP 14x73)	Linear Foot	\$	90.50	\$	130.09	19,575	\$	130.09	\$	2,546,585.16	12,150	\$	130.09	\$	1,580,639.06	64,125	\$	130.09	\$	8,342,261.72	\$	12,469,485.94
PC Concrete Pile 16" Furnished And Driven	Linear Foot	\$	81.89	\$	117.72	1,050	\$	117.72	\$	123,607.25	750	\$	117.72	\$	88,290.89	1,950	\$	117.72	\$	229,556.32	\$	441,454.45
PC Concrete Pile 18" Furnished And Driven	Linear Foot	\$	95.19	\$	136.83	-	\$	-	\$	-	-	\$	-	\$	-	4,725	\$	136.83	\$	646,527.95	\$	646,527.95
Bridge Substructure Concrete (Pier Column)	Cubic Yard	\$	1,000.00	\$	1,437.50	132	\$	1,437.50	\$	189,750.00	91	\$	1,437.50	\$	130,812.50	564	\$	1,437.50	\$	810,750.00	\$	1,131,312.50
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$	1,300.00	\$	1,868.75	241	\$	1,868.75	\$	450,368.75	155	\$	1,868.75	\$	289,656.25	1,010	\$	1,868.75	\$	1,887,437.50	\$	2,627,462.50
Bridge Substructure Concrete (Pile Cap)	Cubic Yard	\$	500.00	\$	718.75	450	\$	718.75	\$	323,437.50	280	\$	718.75	\$	201,250.00	1,584	\$	718.75	\$	1,138,500.00	\$	1,663,187.50
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$	1,100.00	\$	1,581.25	44	\$	1,581.25	\$	69,575.00	34	\$	1,581.25	\$	53,762.50	211	\$	1,581.25	\$	333,643.75	\$	456,981.25
<b>Miscellaneous</b>																						
Concrete Railing	Linear Foot	\$	90.00	\$	129.38	1,001	\$	129.38	\$	129,504.38	900	\$	129.38	\$	116,437.50	5,834	\$	129.38	\$	754,773.75	\$	1,000,715.63
Concrete End Slab	Square Foot	\$	20.00	\$	28.75	1,040	\$	28.75	\$	29,900.00	797	\$	28.75	\$	22,913.75	4,737	\$	28.75	\$	136,188.75	\$	189,002.50
Grinding & Grooving	Square Foot	\$	1.00	\$	1.44	22,619	\$	1.44	\$	32,514.81	16,608	\$	1.44	\$	23,874.00	158,621	\$	1.44	\$	228,017.69	\$	284,406.50
Structural Excavation	Cubic Yard	\$	20.00	\$	28.75	2,245	\$	28.75	\$	64,543.75	1,393	\$	28.75	\$	40,048.75	7,896	\$	28.75	\$	227,010.00	\$	331,602.50
Structural Backfill	Cubic Yard	\$	30.00	\$	43.13	1,795	\$	43.13	\$	77,409.38	1,114	\$	43.13	\$	48,041.25	6,312	\$	43.13	\$	272,205.00	\$	397,655.63
SOE	Square Foot	\$	15.00	\$	21.56	4,636	\$	21.56	\$	99,968.06	2,878	\$	21.56	\$	62,048.25	16,307	\$	21.56	\$	351,608.91	\$	513,625.22
						<b>\$ 274 / SF</b>			<b>\$ 249 / SF</b>			<b>\$ 230 / SF</b>			<b>\$ 469,800</b>							
Existing Bridge Demolition	Square Foot	\$	15.00	\$	21.56	-	\$	-	\$	-	-	\$	-	\$	-	291,830	\$	21.56	\$	6,292,584.38	\$	6,292,584.38
						<b>SUBTOTAL = \$ 6,187,559</b>			<b>SUBTOTAL = \$ 4,130,706</b>			<b>SUBTOTAL = \$ 42,768,119</b>			<b>\$ 53,086,385</b>							

Overhead Factors	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

**Project Section/Component**

**East Tunnel Interchange and Approaches**

**SUMMARY OF ESTIMATED COST**

**PAGE 1**

PROJECT NO.:  
 COUNTY: **MOBILE**  
 ALTERNATE NO.: **IMR 6-14-2018**  
 WORK DESCRIPTION: **EAST TUNNEL INTERCHANGE**  
 DATE PREPARED: **04/17/24**  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

<b>ROADWAY ITEMS</b>				<b>2017\$</b>	<b>2023\$</b>	
<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>UNIT COST</b>	<b>AMOUNT</b>	
<b>ROADWAY:</b>						
UNCLASSIFIED EXCAV. (210A-000)	CY	2,000	7.50	17.78	\$35,560	
BORROW EXCAVATION (210D-000)	CY	10,000	13.50	29.90	\$299,000	
WASTE EXCAVATION	CY	0	0.00	0.00	\$0	
<b>MAJOR DRAINAGE</b>						
48" PIPE (530A-006)	LF	0	262.50	300.00	\$0	
54" PIPE (530A-007)	LF	0	315.00	350.00	\$0	
60" PIPE (530A-008)	LF	0	0.00		\$0	
66" PIPE (530A-009)	LF	0	0.00		\$0	
72" PIPE (530A-010)	LF	0	0.00		\$0	
BOX CULVERT CONC. (524A-010)	CY	0	2,100	2,550	\$0	
STEEL REINF. (502A-000)	LB	0	3.00	3.75	\$0	

**NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.**

**BASE AND PAVEMENT - FREEWAY AND RAMPS:**

FREEWAY TRAVELWAY (NEW PAVEMENT))	SY	0	0.00	92.50	\$0	
FREEWAY TRAVELWAY (RESURAFCE)	SY	4,543	13.85	13.93	\$63,284	
RAMP TRAVELWAY	SY	7,401	52.00	54.17	\$400,912	
TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	0	0.00	76.45	\$0	
RESURFACED TRAVELWAY SHLDS (12-14 FT GRADED/ 10-12 FT PAVED)	SY	0	0.00	76.45	\$0	
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	1,527	43.00	44.14	\$67,402	
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	1,352	50.50	48.77	\$65,937	

**BASE AND PAVEMENT - HIGH VOLUME**

<b>CROSS AND ACCESS ROADS:</b>						
TRAVELWAY (4 - 6 LANE SECTION)(NEW PAVEMENT)	SY	18,482	44.50	53.79	\$994,147	
TRAVELWAY (4 - 6 LANE SECTION)(RESURFACE)	SY	25,655	13.85	14.67	\$376,359	
TRAVELWAY (2 - 3 LANE SECTION)(NEW PAVEMENT)	SY	0	0.00		\$0	
TRAVELWAY (2 - 3 LANE SECTION)(RESURFACE)	SY	4,179	13.85	14.67	\$61,306	
TRAVELWAY (4 - 6 LANE SECTION)(WIDENING)	SY	0	0.00		\$0	
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	4,537	41.50	47.48	\$215,417	
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)(RESURFACE)	SY	4,209	12.50	14.67	\$61,746	

**BASE AND PAVEMENT - LOW VOLUME**

<b>CROSS AND ACCESS ROADS:</b>						
TRAVELWAY	SY	0	0.00	25.04	\$0	
SHOULDERS (ANY WIDTH GRADED)	SY	0	0.00	3.12	\$0	

**SUMMARY OF ESTIMATED COST**

**PAGE 2**

PROJECT NO.: 0.00  
 COUNTY: **MOBILE**  
 ALTERNATE NO.: **IMR 6-14-2018**  
 WORK DESCRIPTION: **EAST TUNNEL INTERCHANGE**  
 DATE PREPARED: **4/17/2024**  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>2017\$</b>	<b>2023\$</b>	<b>AMOUNT</b>	
			<b>UNIT COST</b>	<b>UNIT COST</b>		

**BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS:**

TRAVELWAY - PAVED RESURFACE	SY	0	9.25	10.57	0
TRAVELWAY - PAVED NEW LOCATION	SY	0	27.00	38.96	0
TRAVELWAY - UNPAVED	SY	0	2.75	3.37	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	2.82	0

**MISCELLANEOUS ITEMS**

CONC. MEDIAN BARRIER	LF	3,000	81.50	104.32	312,960
SIGNALIZATION/INTERSECTION	EA	3	150,000	192,000	576,000
SIGNALIZATION/INTERCONNECT (ITS)	EA	1	25,000	32,000	32,000
MINOR DRAINAGE	LS	1	100,000	128,000	128,000
TRAFFIC CONTROL	LS	0	400,000	512,000	0
EROSION CONTROL	LS	1	100,000	128,000	128,000
ROADWAY LIGHTING	LS	1	300,000	384,000	384,000
SIGNING AND STRIPING	LS	1	100,000	128,000	128,000
LANDSCAPING	LS	1	20,000	25,600	25,600

**ROADWAY SUBTOTAL** \$4,355,629  
CONTINGENCIES (0 PERCENT) \$0

**ROADWAY TOTAL** \$4,355,629

**SUMMARY OF ESTIMATED COST**

PAGE 3

PROJECT NO.: 0.00  
COUNTY: MOBILE  
ALTERNATE NO.: IMR 6-14-2018  
WORK DESCRIPTION: EAST TUNNEL INTERCHANGE  
DATE PREPARED: 04/17/24  
DATE PMS REVISED:  
ALDOT OVERHEAD PERCENTAGE: 0.00%

**BRIDGE ITEMS**

ITEM DESCRIPTION	UNIT	QUANTITY	2017\$ UNIT COST	2023\$ UNIT COST	AMOUNT
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**RETAINING WALLS**

RETAINING WALL SUBTOTAL	SF	0	0.00	0.00	0	
					CONTINGENCIES (0 PERCENT)	\$0
					<b>RETAINING WALL TOTAL</b>	\$0

**BRIDGE CULVERTS**

BR. CULV'T CONCRETE (524A-010)	CY	0	0.00	0.00	0	
STEEL REINF. (502A-000)	LB	0	0.00	0.00	0	
					BRIDGE CULVERT SUBTOTAL	\$0
					CONTINGENCIES (0 PERCENT)	\$0
					<b>BRIDGE CULVERT TOTAL</b>	\$0
					<b>BRIDGE TOTAL</b>	<b>\$0</b>

<b>ROADWAY AND BRIDGE SUBTOTAL</b>		<b>\$4,355,629</b>
Overhead	25%	\$1,088,907
Markup	15%	\$816,680
<b>ROADWAY AND BRIDGE TOTAL</b>		<b>\$6,261,217</b>

ENGINEERING INSPECTION (15 PERCENT)		\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)	0.00%	\$0
CONSTRUCTION COST TOTAL (INPUT FOR CPMS)		\$0
RIGHT-OF-WAY COSTS		\$0
UTILITY RELOCATION		\$0

Additional Asphalt Cost (new KMT pavement section) \$1,100,000

GRAND TOTAL = \$7,361,217

**ALDOT: I-10 Mobile River Bridge Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

EAST TUNNEL INTERCHANGE	Item description	Units	2023 Direct Unit Cost	2023 Unit Price	BRIDGE I-10 BUS EB			BRIDGE I-10 BUS WB			BRIDGE RAMP A			BRIDGE RAMP B			BRIDGE RAMP C			BRIDGE RAMP D			GRAND TOTAL								
					Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost									
<b>Superstructure Unit Costs</b>																															
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$ 139	\$ 2.00	1,172,475	\$ 2.00	\$ 2,350,336.06	430,148	\$ 2.00	\$ 862,271.99	114,369	\$ 2.00	\$ 228,263.38	217,118	\$ 2.00	\$ 435,233.39	1,048,099	\$ 2.00	\$ 2,101,012.70	251,314	\$ 2.00	\$ 503,287.47	\$ 6,481,900.00									
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$ 620.00	\$ 891.25	5,453	\$ 891.25	\$ 4,859,986.25	2,001	\$ 891.25	\$ 1,783,391.25	360	\$ 891.25	\$ 320,850.00	572	\$ 891.25	\$ 509,795.00	4,433	\$ 891.25	\$ 3,950,911.25	1,169	\$ 891.25	\$ 1,041,871.25	\$ 12,466,805.00									
Bridge Concrete Superstructure (CIP Flat Slab)	Cubic Yard	\$ 850.00	\$ 1,221.88	-	\$ -	\$ -	-	\$ -	\$ -	172	\$ 1,221.88	\$ 210,162.50	438	\$ 1,221.88	\$ 535,181.25	442	\$ 1,221.88	\$ 540,068.75	-	\$ -	\$ -	\$ 1,285,412.50									
Elastomeric Bearing	Each	\$ 525.00	\$ 754.69	712	\$ 754.69	\$ 537,337.50	254	\$ 754.69	\$ 191,690.63	50	\$ 754.69	\$ 37,734.38	90	\$ 754.69	\$ 67,921.88	594	\$ 754.69	\$ 448,284.38	186	\$ 754.69	\$ 140,371.88	\$ 1,423,340.63									
Concrete Girders, Type III ASHTO	Linear Foot	\$ 218.73	\$ 343.17	22,572	\$ 343.17	\$ 7,746,022.20	6,698	\$ 343.17	\$ 2,298,543.45	1,600	\$ 343.17	\$ 549,069.80	2,398	\$ 343.17	\$ 822,919.36	20,066	\$ 343.17	\$ 6,886,621.63	4,929	\$ 343.17	\$ 1,691,378.15	\$ 19,994,033.60									
Concrete Girders, BT 54	Linear Foot	\$ 274.99	\$ 395.30	354	\$ 395.30	\$ 139,937.06	1,655	\$ 395.30	\$ 654,225.53	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 794,162.60									
Concrete Girders, BT 63	Linear Foot	\$ 295.39	\$ 424.62	1,978	\$ 424.62	\$ 839,896.01	826	\$ 424.62	\$ 350,735.14	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 1,190,631.15									
Expansion Joint Sealant	Linear Foot	\$ 200.00	\$ 287.50	1,080	\$ 287.50	\$ 310,500.00	575	\$ 287.50	\$ 165,312.50	200	\$ 287.50	\$ 57,500.00	420	\$ 287.50	\$ 120,750.00	1,035	\$ 287.50	\$ 297,562.50	455	\$ 287.50	\$ 130,812.50	\$ 1,082,437.50									
<b>Substructure Unit Costs</b>																															
Steel Reinforcement (Grade 60) (Bridge Substructure)	Pound	\$ 1.39	\$ 2.00	507,377	\$ 2.00	\$ 1,017,084.76	276,069	\$ 2.00	\$ 553,406.19	39,040	\$ 2.00	\$ 78,259.34	77,729	\$ 2.00	\$ 155,815.07	379,910	\$ 2.00	\$ 761,565.21	103,360	\$ 2.00	\$ 207,194.81	\$ 2,773,325.38									
Steel Piling Furnished And Driven (HP 14x73)	Linear Foot	\$ 90.50	\$ 130.09	5,100	\$ 130.09	\$ 663,478.13	6,300	\$ 130.09	\$ 819,590.63	1,560	\$ 130.09	\$ 202,946.25	3,300	\$ 130.09	\$ 429,309.38	4,080	\$ 130.09	\$ 530,782.50	-	\$ -	\$ -	\$ 2,646,106.88									
54" Diam. PC Cylinder Piles	Linear Foot	\$ 508.87	\$ 731.50	19,095	\$ 731.50	\$ 13,967,849.54	5,700	\$ 731.50	\$ 4,189,537.18	1,400	\$ 731.50	\$ 1,024,096.85	2,800	\$ 731.50	\$ 2,048,193.70	17,836	\$ 731.50	\$ 13,046,993.87	5,600	\$ 731.50	\$ 4,096,387.40	\$ 38,253,158.53									
Bridge Substructure Concrete (Pier Column)	Cubic Yard	\$ 1,000.00	\$ 1,437.50	162	\$ 1,437.50	\$ 232,875.00	205	\$ 1,437.50	\$ 294,687.50	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 537,562.50									
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$ 1,300.00	\$ 1,868.75	2,250	\$ 1,868.75	\$ 4,204,687.50	790	\$ 1,868.75	\$ 1,476,312.50	217	\$ 1,868.75	\$ 405,518.75	432	\$ 1,868.75	\$ 807,300.00	2,098	\$ 1,868.75	\$ 3,920,637.50	574	\$ 1,868.75	\$ 1,072,662.50	\$ 11,887,118.75									
Bridge Substructure Concrete (Pile Cap)	Cubic Yard	\$ 500.00	\$ 718.75	348	\$ 718.75	\$ 250,125.00	484	\$ 718.75	\$ 347,875.00	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 598,000.00									
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$ 1,100.00	\$ 1,581.25	59	\$ 1,581.25	\$ 93,293.75	56	\$ 1,581.25	\$ 88,550.00	-	\$ -	\$ -	-	\$ -	\$ -	13	\$ 1,581.25	\$ 20,556.25	-	\$ -	\$ -	\$ 202,400.00									
<b>Miscellaneous</b>																															
Concrete Railing	Linear Foot	\$ 90.00	\$ 129.38	9,795	\$ 129.38	\$ 1,267,228.13	3,340	\$ 129.38	\$ 432,112.50	1,325	\$ 129.38	\$ 171,421.88	2,279	\$ 129.38	\$ 294,845.63	9,121	\$ 129.38	\$ 1,180,029.38	3,306	\$ 129.38	\$ 427,713.75	\$ 3,773,351.25									
Concrete End Slab	Square Foot	\$ 20.00	\$ 28.75	1,101	\$ 28.75	\$ 31,653.75	1,019	\$ 28.75	\$ 29,296.25	568	\$ 28.75	\$ 16,330.00	945	\$ 28.75	\$ 27,168.75	565	\$ 28.75	\$ 16,243.75	568	\$ 28.75	\$ 16,330.00	\$ 137,022.50									
Grinding & Grooving	Square Foot	\$ 1.00	\$ 1.44	219,423	\$ 1.44	\$ 315,420.56	78,475	\$ 1.44	\$ 112,807.81	18,599	\$ 1.44	\$ 26,796.06	32,844	\$ 1.44	\$ 47,213.25	191,107	\$ 1.44	\$ 274,716.31	46,689	\$ 1.44	\$ 67,115.44	\$ 844,009.44									
Structural Excavation	Cubic Yard	\$ 20.00	\$ 28.75	880	\$ 28.75	\$ 25,300.00	1,184	\$ 28.75	\$ 34,040.00	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 59,340.00									
Structural Backfill	Cubic Yard	\$ 30.00	\$ 43.13	532	\$ 43.13	\$ 22,942.50	700	\$ 43.13	\$ 30,187.50	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 53,130.00									
SDE	Square Foot	\$ 15.00	\$ 21.56	3,860	\$ 21.56	\$ 85,387.50	5,328	\$ 21.56	\$ 114,885.00	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 200,272.50									
Temporary Bridges (For MOT)	Square Foot	\$ 180.00	\$ 258.75	140,500	\$ 258.75	\$ 36,354,375.00	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 36,354,375.00									
Temporary Access Trestle	Square Foot	\$ 120.00	\$ 172.50	336,000	\$ 172.50	\$ 57,960,000.00	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 57,960,000.00									
						\$ 607 / SF		\$ 133,275,796			\$ 189 / SF		\$ 14,809,459		\$ 179 / SF		\$ 3,329,889		\$ 192 / SF		\$ 6,301,646		\$ 178 / SF		\$ 33,975,386		\$ 201 / SF		\$ 9,395,720		\$ 201,087,896
Existing Bridge Demolition	Square Foot	\$ 18.00	\$ 25.88	215,117	\$ 25.88	\$ 5,566,152.38	65,504	\$ 25.88	\$ 1,694,916.00	14,530	\$ 25.88	\$ 375,963.75	26,341	\$ 25.88	\$ 681,573.38	179,316	\$ 25.88	\$ 4,639,801.50	23,785	\$ 25.88	\$ 615,436.88	\$ 13,573,843.88									
Temporary Bridge Demolition	Square Foot	\$ 18.00	\$ 25.88	140,500	\$ 25.88	\$ 3,635,437.50	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 3,635,437.50									
<b>SUBTOTAL =</b>						<b>\$ 138,841,949</b>		<b>\$ 16,504,375</b>		<b>\$ 3,705,853</b>		<b>\$ 6,983,219</b>		<b>\$ 38,615,187</b>		<b>\$ 10,011,157</b>		<b>\$ 218,297,177</b>													

<b>Overhead Factors</b>	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

**ALDOT: I-10 Mobile River Bridge (Project #1)**  
**Updated Summary of Estimated Project Cost Estimate (2023 Dollars)**  
**(No Contingency)**

August 7, 2023

**Project Section/Component**  
***Aesthetic Lighting of Main Span Unit***

Three recent bid prices used from similar projects

**Sam Houston Tollway Bid Prices**

Main Span Unit Only  
 Concept 2, Lighting Option 2

	<b>Costs</b>
Equipment Cost	\$ 2,700,000
Labor	\$ 2,025,000
Profit (15%)	\$ 708,750
<b>Total</b>	<b>\$ 5,433,750</b>

**Tappan Zee (Main Span and Approaches)**

	<b>Costs</b>
Lighting Fixtures (2,700 @ \$2,400 ea. +/-)	\$ 6,000,000
Brackets (1,200 @ \$1,600 ea. +/-)	\$ 2,000,000
Engineering, Commissioning, Software, and Programming	\$ 2,000,000
Control Cabinets	\$ 1,000,000
Conduit, wire, fiber optic and installation	\$ 3,000,000
<b>Total</b>	<b>\$ 14,000,000</b>

**Harbor Bridge**

	<b>Costs</b>
Estimate during DB Pursuit	\$ 11,000,000

<b>Average Costs (2017) =</b>	<b>\$ 10,144,583</b>
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<b>Projected Cost Escalation =</b>	3.5% per year	27.2%
<b>GRAND TOTAL (2023\$) \$ 12,906,743</b>		

**ALDOT: I-10 Bayway Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

\*Note - Quantities below were developed based on the "reduced width" option and Bayway-TSLs-.pdf

Bayway Mainline Bridges				MAINLINE BAYWAY BRIDGES		
				Bridge Area (SF):		4,071,499
Item description	Units	2023 Direct Unit Cost	2023 Unit Price	Quantity	2023 Unit Price	2023 Cost
<b>Superstructure Unit Costs</b>						
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$ 1.39	\$ 2.00	27,564,789	\$ 2.00	\$ 55,256,203.75
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$ 620.00	\$ 891.25	128,208	\$ 891.25	\$ 114,265,380.00
Elastomeric Bearing	Each	\$ 425.00	\$ 610.94	14,448	\$ 610.94	\$ 8,826,825.00
Concrete Girders, Type III ASHTO	Linear Foot	\$ 199.44	\$ 286.69	459,276	\$ 286.69	\$ 131,669,690.05
Concrete Girders, BT 54	Linear Foot	\$ 274.99	\$ 395.30	606	\$ 395.30	\$ 239,553.28
Concrete Girders, BT 72	Linear Foot	\$ 346.00	\$ 497.38	6,201	\$ 497.38	\$ 3,084,222.38
Concrete Girders, FIB-78	Linear Foot	\$ 390.00	\$ 560.63	3,696	\$ 560.63	\$ 2,072,070.00
Expansion Joint Sealant	Linear Foot	\$ 200.00	\$ 287.50	11,383	\$ 287.50	\$ 3,272,612.50
<b>Substructure Unit Costs</b>						
Steel Reinforcement (Grade 60) (Bridge Substructure)	Pound	\$ 1.39	\$ 2.00	8,920,701	\$ 2.00	\$ 17,882,381.47
PC Concrete Pile 24" Furnished And Driven	Linear Foot	\$ 137.00	\$ 196.94	8,475	\$ 196.94	\$ 1,669,045.31
54" Diam. PC Cylinder Piles	Linear Foot	\$ 461.75	\$ 663.77	464,945	\$ 663.77	\$ 308,614,909.53
Bridge Substructure Concrete (Pier Column)	Cubic Yard	\$ 1,000.00	\$ 1,437.50	598	\$ 1,437.50	\$ 859,625.00
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$ 1,125.00	\$ 1,617.19	47,097	\$ 1,617.19	\$ 76,164,679.69
Bridge Substructure Concrete (Pile Cap)	Cubic Yard	\$ 500.00	\$ 718.75	1,777	\$ 718.75	\$ 1,277,218.75
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$ 1,100.00	\$ 1,581.25	88	\$ 1,581.25	\$ 139,150.00
<b>Miscellaneous</b>						
Construction Access - Dredging	Cubic Yard	\$ 18.00	\$ 25.88	277,442	\$ 25.88	\$ 7,178,817.50
Construction Access - Temporary Trestle (Full Deck)	Square Foot	\$ 120.00	\$ 172.50	43,520	\$ 172.50	\$ 7,507,200.00
Construction Access - Temporary Trestle (Jump Trestle)	Square Foot	\$ 25.00	\$ 35.94	126,720	\$ 35.94	\$ 4,554,000.00
Construction Access - Top Down Construction Heading #1	Lump Sum	\$ 5,476,110.00	\$ 7,871,908.13	1	\$ 7,871,908.13	\$ 7,871,908.13
Construction Access - Top Down Construction Heading #2	Lump Sum	\$ 6,301,500.00	\$ 9,058,406.25	1	\$ 9,058,406.25	\$ 9,058,406.25
Construction Access - Top Down Construction Heading #3	Lump Sum	\$ 8,043,000.00	\$ 11,561,812.50	1	\$ 11,561,812.50	\$ 11,561,812.50
Construction Access - Top Down Construction Heading #4	Lump Sum	\$ 8,043,000.00	\$ 11,561,812.50	1	\$ 11,561,812.50	\$ 11,561,812.50
Concrete Railing	Linear Foot	\$ 90.00	\$ 129.38	104,921	\$ 129.38	\$ 13,574,154.38
Median Barrier	Linear Foot	\$ 130.00	\$ 186.88	20,184	\$ 186.88	\$ 3,771,885.00
Concrete End Slab	Square Foot	\$ 20.00	\$ 28.75	3,870	\$ 28.75	\$ 111,262.50
Precast Soffit Panel	Square Foot	\$ 100.00	\$ 143.75	2,784	\$ 143.75	\$ 400,200.00
Structural Excavation	Cubic Yard	\$ 25.00	\$ 35.94	2,799	\$ 35.94	\$ 100,589.06
Structural Backfill	Cubic Yard	\$ 30.00	\$ 43.13	1,491	\$ 43.13	\$ 64,299.38
SOE	Square Foot	\$ 35.00	\$ 50.31	8,172	\$ 50.31	\$ 411,153.75
Project #1 Bayway Deduct	Square Foot			446,914	\$ (195.00)	\$ (87,148,152.00)
					<b>\$ 176 / SF</b>	<b>\$ 715,872,916</b>

<b>Overhead Factors</b>	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

**ALDOT: I-10 Bayway Project**  
**Updated Summary of Estimated Project Cost Estimate (2023 Dollars)**  
**(No Contingency)**



August 7, 2023

**Project Section/Component**  
**Midbay Interchange**

**SUMMARY OF ESTIMATED COST**

**PAGE 1**

PROJECT NO.:  
 COUNTY: **BALDWIN**  
 ALTERNATE NO.: **IMR 6-14-2018**  
 WORK DESCRIPTION: **MID BAY INTERCHANGE**  
 DATE PREPARED: 04/17/24  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

ROADWAY ITEMS ITEM DESCRIPTION	UNIT	QUANTITY	2017\$	2023\$	AMOUNT
			UNIT COST	UNIT COST	
<b>ROADWAY:</b>					
UNCLASSIFIED EXCAV. (210A-000)	CY	1,000	7.50	18.31	18,310
BORROW EXCAVATION (210D-000)	CY	2,000	13.50	30.68	61,360
WASTE EXCAVATION	CY	0	0.00	0.00	0
<b>MAJOR DRAINAGE</b>					
48" PIPE (530A-006)	LF	0	262.50	300.00	0
54" PIPE (530A-007)	LF	0	315.00	350.00	0
60" PIPE (530A-008)	LF	0	0.00	0.00	0
66" PIPE (530A-009)	LF	0	0.00	0.00	0
72" PIPE (530A-010)	LF	0	0.00	0.00	0
BOX CULVERT CONC. (524A-010)	CY	0	2,100	2,550	0
STEEL REINF. (502A-000)	LB	0	3.00	3.75	0

**NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.**

<b>BASE AND PAVEMENT - FREEWAY AND RAMPS:</b>					
FREEWAY TRAVELWAY(NEW PAVEMENT)	SY	0	76.00	93.71	0
FREEWAY TRAVELWAY(SURFACE)	SY	0	13.85	13.92	0
RAMP TRAVELWAY	SY	0	52.00	54.04	0
TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	0	67.50	77.20	0
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	0	43.00	44.68	0
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	0	50.50	49.88	0

<b>BASE AND PAVEMENT - HIGH VOLUME</b>					
CROSS AND ACCESS ROADS:					
TRAVELWAY (4 - 6 LANE SECTION)(NEW PAVEMENT)	SY	0	44.50	53.62	0
TRAVELWAY (4 - 6 LANE SECTION)(RESURFACE)	SY	34,915	13.85	13.92	486,017
TRAVELWAY (2 - 3 LANE SECTION)(NEW PAVEMENT)	SY	0	41.50	47.98	0
TRAVELWAY (2 - 3 LANE SECTION)(RESURFACE)	SY	0	15.50	13.92	0
SHOULDERS (12-14 FT GRADED / 10-12 FT PAVED)	SY	0	41.50	49.78	0
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	0	41.50	48.58	0
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)(RESURFACED)	SY	12,850	13.85	14.79	190,052

<b>BASE AND PAVEMENT - LOW VOLUME</b>					
CROSS AND ACCESS ROADS:					
TRAVELWAY	SY	0	19.50	25.04	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	3.12	0

**SUMMARY OF ESTIMATED COST**

**PAGE 2**

PROJECT NO.:  
 COUNTY: **BALDWIN**  
 ALTERNATE NO.: **IMR 6-14-2018**  
 WORK DESCRIPTION: **MID BAY INTERCHANGE**  
 DATE PREPARED: 4/17/2024  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

ITEM DESCRIPTION	UNIT	QUANTITY	2017\$	2023\$	AMOUNT
			UNIT COST	UNIT COST	

**BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS:**

Mid-Bay (Roadway)

TRAVELWAY - PAVED RESURFACE	SY	0	9.25	10.57	0
TRAVELWAY - PAVED NEW LOCATION	SY	0	27.00	38.96	0
TRAVELWAY - UNPAVED	SY	0	2.75	3.37	0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	2.82	0
<b>MISCELLANEOUS ITEMS</b>					
CONC. MEDIAN BARRIER	LF	0	81.50	100.00	0
SIGNALIZATION/INTERSECTION	EA	2	150,000	192,000	384,000
SIGNALIZATION/INTERCONNECT (ITS)	EA	1	25,000	32,000	32,000
MINOR DRAINAGE	LS	1	28,000	35,840	35,840
TRAFFIC CONTROL	LS	1	80,000	102,400	102,400
ROADWAY LIGHTING	LS	1	135,000	172,800	172,800
SIGNING AND STRIPING	LS	1	170,000	217,600	217,600
LANDSCAPING	EA	1	33,000	42,240	42,240
<b>ROADWAY SUBTOTAL</b>					<b>\$1,742,618</b>
CONTINGENCIES (0 PERCENT)					0.00
<b>ROADWAY SUBTOTAL</b>					<b>\$1,742,618</b>
Overhead		25%			\$435,655
Markup		15%			\$326,741
<b>ROADWAY TOTAL</b>					<b>\$2,505,014</b>

**SUMMARY OF ESTIMATED COST**

**PAGE 3**

PROJECT NO.: 0.00  
 COUNTY: BALDWIN  
 ALTERNATE NO.: IMR 6-14-2018  
 WORK DESCRIPTION: MID BAY INTERCHANGE  
 DATE PREPARED: 04/17/24  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: 0.00%

BRIDGE ITEMS ITEM DESCRIPTION	UNIT	QUANTITY	2017\$	2023\$	AMOUNT
			UNIT COST	UNIT COST	
ENGINEERING INSPECTION (15 PERCENT)					\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)		0.00%			\$0
CONSTRUCTION COST TOTAL (INPUT FOR CPMS)					\$0
RIGHT-OF-WAY COSTS					\$0
UTILITY RELOCATION					\$0
Additional Asphalt Cost (new KMT pavement section)					\$400,000
<b>GRAND TOTAL =</b>					<b>\$2,905,014</b>

**ALDOT: I-10 Bayway Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

Mid-Bay Interchange Bridges	Item description	Units	2023 Direct Unit Cost	2023 Unit Price	RAMP A			RAMP B			RAMP C			RAMP D			GRAND TOTAL											
					Bridge Area (SF):		48,890	Bridge Area (SF):		40,352	Bridge Area (SF):		37,331	Bridge Area (SF):		50,900												
					Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost												
<b>Superstructure Unit Costs</b>																												
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$ 1.39	\$ 2.00	430,928	\$ 2.00	\$ 863,835.58	428,425	\$ 2.00	\$ 858,818.08	396,351	\$ 2.00	\$ 794,522.74	540,420	\$ 2.00	\$ 1,083,322.55	\$ 3,600,498.94												
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$ 620.00	\$ 891.25	543	\$ 891.25	\$ 483,948.75	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 483,948.75												
Bridge Concrete Superstructure (CIP Flat Slab)	Cubic Yard	\$ 825.00	\$ 1,185.94	1,461	\$ 1,185.94	\$ 1,732,654.69	1,993	\$ 1,185.94	\$ 2,363,573.44	1,843	\$ 1,185.94	\$ 2,185,682.81	2,514	\$ 1,185.94	\$ 2,981,446.88	\$ 9,263,357.81												
Elastomeric Bearing	Each	\$ 425.00	\$ 610.94	56	\$ 610.94	\$ 34,212.50	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 34,212.50												
Concrete Girders, Type III ASHTO	Linear Foot	\$ 209.44	\$ 301.06	1,820	\$ 301.06	\$ 547,937.72	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 547,937.72												
Expansion Joint Sealant	Linear Foot	\$ 200.00	\$ 287.50	297	\$ 287.50	\$ 85,387.50	-	\$ 287.50	\$ -	-	\$ 287.50	\$ -	-	\$ 287.50	\$ -	\$ 85,387.50												
<b>Substructure Unit Costs</b>																												
Steel Reinforcement (Grade 60) (Bridge Substructure)	Pound	\$ 1.39	\$ 2.00	154,464	\$ 2.00	\$ 309,637.57	148,758	\$ 2.00	\$ 298,199.36	118,289	\$ 2.00	\$ 237,121.39	205,912	\$ 2.00	\$ 412,769.91	\$ 1,257,728.22												
PC Concrete Pile 24" Furnished And Driven	Linear Foot	\$ 137.00	\$ 196.94	8,250	\$ 196.94	\$ 1,624,734.38	13,800	\$ 196.94	\$ 2,717,737.50	11,100	\$ 196.94	\$ 2,186,006.25	15,375	\$ 196.94	\$ 3,027,914.06	\$ 9,556,392.19												
54" Diam. PC Cylinder Piles	Linear Foot	\$ 461.75	\$ 663.77	3,510	\$ 663.77	\$ 2,329,820.37	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ 2,329,820.37												
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$ 1,300.00	\$ 1,868.75	841	\$ 1,868.75	\$ 1,571,618.75	797	\$ 1,868.75	\$ 1,489,393.75	627	\$ 1,868.75	\$ 1,171,706.25	1,100	\$ 1,868.75	\$ 2,055,625.00	\$ 6,288,343.75												
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$ 1,100.00	\$ 1,581.25	47	\$ 1,581.25	\$ 74,318.75	30	\$ 1,581.25	\$ 47,437.50	30	\$ 1,581.25	\$ 47,437.50	44	\$ 1,581.25	\$ 69,575.00	\$ 238,768.75												
<b>Miscellaneous</b>																												
Concrete Railing	Linear Foot	\$ 90.00	\$ 129.38	2,305	\$ 129.38	\$ 298,209.38	2,840	\$ 129.38	\$ 367,425.00	2,620	\$ 129.38	\$ 338,962.50	2,400	\$ 129.38	\$ 310,500.00	\$ 1,315,096.88												
Concrete End Slab	Square Foot	\$ 20.00	\$ 28.75	848	\$ 28.75	\$ 24,380.00	568	\$ 28.75	\$ 16,330.00	570	\$ 28.75	\$ 16,387.50	848	\$ 28.75	\$ 24,380.00	\$ 81,477.50												
Construction Access - Temporary Trestle (Full Deck)	Square Foot	\$ 120.00	\$ 172.50	3,840	\$ 172.50	\$ 662,400.00	3,840	\$ 172.50	\$ 662,400.00	3,840	\$ 172.50	\$ 662,400.00	3,840	\$ 172.50	\$ 662,400.00	\$ 2,649,600.00												
Strengthening For Storm Surge Allowance (HDR)	Square Foot	\$ 20.00	\$ 28.75	48,890	\$ 28.75	\$ 1,405,587.50	40,352	\$ 28.75	\$ 1,160,120.00	37,331	\$ 28.75	\$ 1,073,266.25	50,900	\$ 28.75	\$ 1,463,375.00	\$ 5,102,348.75												
					<b>\$ 246 / SF</b>	<b>\$ 12,048,683</b>						<b>\$ 247 / SF</b>	<b>\$ 9,981,435</b>						<b>\$ 233 / SF</b>	<b>\$ 8,713,493</b>						<b>\$ 238 / SF</b>	<b>\$ 12,091,308</b>	<b>\$ 42,834,920</b>

Overhead Factors	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

**ALDOT: I-10 Bayway Project**  
**Updated Summary of Estimated Project Cost Estimate (2023 Dollars)**  
**(No Contingency)**



August 7, 2023

**Project Section/Component**  
**US 90 / 98 Interchange and East Main Line Roadway**

**SUMMARY OF ESTIMATED COST**

**PAGE 1**

PROJECT NO.:  
 COUNTY: **BALDWIN**  
 ALTERNATE NO.: **IMR 6-4-2018**  
 WORK DESCRIPTION: **ES DUAL LOOP RAMP INTERCHANGE**  
 DATE PREPARED: **04/17/24**  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

ROADWAY ITEMS ITEM DESCRIPTION	UNIT	QUANTITY	2017\$	2023\$	AMOUNT
			UNIT COST	UNIT COST	
<b>ROADWAY:</b>					
UNCLASSIFIED EXCAV. (210A-000)	CY	12,500	7.50	18.31	\$228,875
BORROW EXCAVATION (210D-000)	CY	9,000	13.50	30.68	\$276,120
WASTE EXCAVATION	CY	0	0.00	0.00	\$0
<b>MAJOR DRAINAGE</b>					
48" PIPE (530A-006)	LF	0	262.50	300.00	\$0
54" PIPE (530A-007)	LF	0	315.00	350.00	\$0
60" PIPE (530A-008)	LF	0	0.00	0.00	\$0
66" PIPE (530A-009)	LF	0	0.00	0.00	\$0
72" PIPE (530A-010)	LF	0	0.00	0.00	\$0
BOX CULV'T CONC. (524A-010)	CY	0	2,100	2,550	\$0
STEEL REINF. (502A-000)	LB	0	3.00	3.75	\$0

**NOTE: ALL BASE AND PAVE COSTS ARE FOR BITUMINOUS PAVEMENT ONLY.**

<b>BASE AND PAVEMENT - FREEWAY AND RAMPS:</b>					
FREEWAY TRAVELWAY	SY	17,081	76.00	93.71	\$1,600,661
FREEWAY TRAVELWAY (PAVED RESURFACE)	SY	32,940	13.85	13.92	\$458,525
RAMP TRAVELWAY	SY	17,255	52.00	54.04	\$932,460
NEW TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	3,877	67.50	77.20	\$299,304
RESURFACED TRAVELWAY SHLDS (12-14 FT GRADED / 10 FT PAVED)	SY	22,076	12.50	13.92	\$307,298
RAMP SHLDS (6-7 FT GRADED / 4-5 FT PAVED)	SY	2,275	43.00	44.68	\$101,647
RAMP SHLDS (12 FT GRADED / 10 FT PAVED)	SY	5,543	50.50	49.88	\$276,485

<b>BASE AND PAVEMENT - HIGH VOLUME</b>					
CROSS AND ACCESS ROADS:					
TRAVELWAY (4 - 6 LANE SECTION)(NEW PAVEMENT)	SY	9,189	44.50	53.62	\$492,714
TRAVELWAY (4 - 6 LANE SECTION)(RESURFACE)	SY	37,090	13.85	13.92	\$516,293
TRAVELWAY (2 - 3 LANE SECTION)(NEW PAVEMENT)	SY	0	41.50	47.98	\$0
TRAVELWAY (2 - 3 LANE SECTION)(RESURFACE)	SY	20,595	13.85	13.92	\$286,682
TRAVELWAY (4 - 6 LANE SECTION)(WIDENING)	SY	26,570	45.98	57.63	\$1,531,229
SHOULDERS (12-14 FT GRADED / 10-12 FT PAVED)	SY	987	49.35	49.78	\$49,133
SHOULDERS (4-10 FT GRADED / 2-8 FT PAVED)	SY	5,270	41.50	48.58	\$256,017

<b>BASE AND PAVEMENT - LOW VOLUME</b>					
CROSS AND ACCESS ROADS:					
TRAVELWAY	SY	0	19.50	25.04	\$0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	3.12	\$0

**SUMMARY OF ESTIMATED COST**

**PAGE 2**

PROJECT NO.:  
 COUNTY: **BALDWIN**  
 ALTERNATE NO.: **IMR 6-4-2018**  
 WORK DESCRIPTION: **ES DUAL LOOP RAMP INTERCHANGE**  
 DATE PREPARED: **04/17/24**  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: **0.00%**

**2017\$**      **2023\$**

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	UNIT COST	AMOUNT
<b>BASE AND PAVEMENT - DETOUR AND UNPAVED ACCESS ROADS:</b>					
TRAVELWAY - PAVED RESURFACE	SY	0	9.25	10.57	\$0
TRAVELWAY - PAVED NEW LOCATION	SY	0	27.00	38.96	\$0
TRAVELWAY - UNPAVED	SY	0	2.75	3.37	\$0
SHOULDERS (ANY WIDTH GRADED)	SY	0	2.40	2.82	\$0
<b>MISCELLANEOUS ITEMS</b>					
CONC. MEDIAN BARRIER	LF	4,950	81.50	100.00	\$495,000
SIGNALIZATION/INTERSECTION	EA	4	150,000	192,000	\$768,000
SIGNALIZATION/INTERCONNECT (ITS)	EA	1	25,000	32,000	\$32,000
MINOR DRAINAGE	LS	1	300,000	384,000	\$384,000
TRAFFIC CONTROL	LS	1	800,000	1,024,000	\$1,024,000
EROSION CONTROL	LS	1	550,000	704,000	\$704,000
ROADWAY LIGHTING	LS	1	800,000	1,024,000	\$1,024,000
SIGNING AND STRIPING	LS	1	600,000	768,000	\$768,000
LANDSCAPING	LS	1	90,000	115,200	\$115,200
<b>ROADWAY SUBTOTAL</b>					<b>\$12,927,643</b>
CONTINGENCIES (0 PERCENT)					0.00
<b>ROADWAY SUBTOTAL</b>					<b>\$12,927,643</b>
Overhead	15%				\$1,939,146
Markup	18%				\$2,676,022
<b>ROADWAY TOTAL</b>					<b>\$17,542,811</b>

**SUMMARY OF ESTIMATED COST**

PROJECT NO.: 0.00  
 COUNTY: BALDWIN  
 ALTERNATE NO.: IMR 6-4-2018  
 WORK DESCRIPTION: ES DUAL LOOP RAMP INTERCHANGE  
 DATE PREPARED: 04/17/24  
 DATE PMS REVISED:  
 ALDOT OVERHEAD PERCENTAGE: 0.00%

BRIDGE ITEMS	UNIT	QUANTITY	2017\$ UNIT COST	2023\$ UNIT COST	AMOUNT
ENGINEERING INSPECTION (15 PERCENT)		15.0%			\$0
ALDOT OVERHEAD (INPUT IN TITLE BLOCK)		0.00%			\$0
CONSTRUCTION COST TOTAL (INPUT FOR CPMS)					\$0
RIGHT-OF-WAY COSTS					\$0
UTILITY RELOCATION					\$0
<b>Additional Asphalt Cost (new KMT pavement section)</b>					<b>\$3,500,000</b>
<b>GRAND TOTAL =</b>					<b>\$21,042,811</b>

**ALDOT: I-10 Bayway Project**  
**Updated Summary of Estimated Project Cost Estimate**  
**(No Contingency)**



August 7, 2023

No Drawings Provided - Plugged \$/SF

Mid-Bay Interchange Bridges	Item description	Units	2023 Direct Unit Cost	2023 Unit Price	RAMP A			RAMP B			US-98 OVERPASS			GRAND TOTAL	NOTES								
					Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost	Quantity	2023 Unit Price	2023 Cost										
					68,187			24,245			59,221												
<b>Superstructure Unit Costs</b>																							
Steel Reinforcement For Bridge Superstructure (CIP Deck)	Pound	\$	1.39	\$	2.00	647,384	\$	2.00	\$	1,297,741.92	257,411	\$	2.00	\$	516,004.48	-	\$	-	\$	-	\$	1,813,746.40	Based off of recent material quote of \$0.765/LB
Bridge Concrete Superstructure (CIP Deck)	Cubic Yard	\$	620.00	\$	891.25	462	\$	891.25	\$	411,757.50	-	\$	-	\$	-	-	\$	-	\$	-	\$	411,757.50	
Bridge Concrete Superstructure (CIP Flat Slab)	Cubic Yard	\$	825.00	\$	1,185.94	2,549	\$	1,185.94	\$	3,022,954.69	1,197	\$	1,185.94	\$	1,419,567.19	-	\$	-	\$	-	\$	4,442,521.88	
Elastomeric Bearing	Each	\$	425.00	\$	630.94	38	\$	630.94	\$	23,215.63	-	\$	-	\$	-	-	\$	-	\$	-	\$	23,215.63	
Concrete Girders, Type III ASHTO	Linear Foot	\$	209.44	\$	301.06	1,235	\$	301.06	\$	371,814.88	-	\$	-	\$	-	-	\$	-	\$	-	\$	371,814.88	Based off of recent material quote of \$162.14/LF for precast product reduced by 5%
Expansion Joint Sealant	Linear Foot	\$	200.00	\$	287.50	255	\$	287.50	\$	73,312.50	-	\$	287.50	\$	-	-	\$	-	\$	-	\$	73,312.50	
<b>Substructure Unit Costs</b>																							
Steel Reinforcement (Grade 60) (Bridge Substructure)	Pound	\$	1.39	\$	2.00	218,735	\$	2.00	\$	438,474.81	95,913	\$	2.00	\$	192,266.60	-	\$	-	\$	-	\$	630,741.41	Based off of recent material quote of \$0.765/LB
PC Concrete Pile 24" Furnished And Driven	Linear Foot	\$	137.00	\$	196.94	17,475	\$	196.94	\$	3,441,482.81	9,000	\$	196.94	\$	1,772,437.50	-	\$	-	\$	-	\$	5,213,920.31	
54" Diam. PC Cylinder Piles	Linear Foot	\$	461.75	\$	663.77	2,730	\$	663.77	\$	1,812,082.51	-	\$	-	\$	-	-	\$	-	\$	-	\$	1,812,082.51	Based off of recent material quote of \$312.68/LF for precast product reduced by 5%
Bridge Substructure Concrete (Pier Cap)	Cubic Yard	\$	1,300.00	\$	1,868.75	1,200	\$	1,868.75	\$	2,242,500.00	518	\$	1,868.75	\$	968,012.50	-	\$	-	\$	-	\$	3,210,512.50	
Bridge Substructure Concrete (Abutment)	Cubic Yard	\$	1,100.00	\$	1,581.25	15	\$	1,581.25	\$	23,718.75	15	\$	1,581.25	\$	23,718.75	-	\$	-	\$	-	\$	47,437.50	
<b>Miscellaneous</b>																							
Concrete Railing	Linear Foot	\$	90.00	\$	129.38	3,483	\$	129.38	\$	450,613.13	1,706	\$	129.38	\$	220,713.75	-	\$	-	\$	-	\$	671,326.88	
Concrete End Slab	Square Foot	\$	20.00	\$	28.75	570	\$	28.75	\$	16,387.50	568	\$	28.75	\$	16,330.00	-	\$	-	\$	-	\$	32,717.50	
Construction Access - Temporary Trestle (Jump Trestle)	Square Foot	\$	25.00	\$	35.94	56,320	\$	35.94	\$	2,024,000.00	28,160	\$	35.94	\$	1,012,000.00	-	\$	-	\$	-	\$	3,036,000.00	
US-98 Bridge Plug (Turn-Key)	Square Foot	\$	130.00	\$	186.88	-	\$	-	\$	-	-	\$	-	\$	-	59,221	\$	186.88	\$	11,066,924.38	\$	11,066,924.38	Based on Virginia Street Bridge Cost
						\$ 230 / SF	\$	15,650,057		\$ 253 / SF	\$	6,141,051		\$ 187 / SF	\$	11,066,924	\$	11,066,924	\$	32,858,032			

Overhead Factors	
Indirects	25%
Profit	15%
2023 Inflation	0%
2024 Inflation	0%

Bayway Demolition

**ALDOT: I-10 Bayway Project**

Updated Summary of Estimated Project Cost Estimate (2023 Dollars)

(No Contingency)



August 7, 2023

**Project Section/Component**

**Bayway Demolition Estimate**

<b>Bayway Demolition Summary</b>					
Item	Area (SF)	2023 Unit Direct Cost (\$/SF)	2023 Unit Price (\$/SF)	2023 Unit Price (\$/SF)	Cost (\$)
Demolition of Existing Bayway	1,101,926	\$ 16.00	\$ 23.00	\$ 23.00	\$ 25,344,298
Demolition of Existing Ramps	221,061	\$ 18.00	\$ 25.88	\$ 25.88	\$ 5,719,953
<b>Grand Total = \$</b>					<b>31,064,251</b>

<b>Bayway Demolition Summary (Post Construction)</b>					
Item	Area (SF)	2023 Unit Direct Cost (\$/SF)	2023 Unit Price (\$/SF)	2023 Unit Price (\$/SF)	Cost (\$)
Demolition of Bayway & Ramps (Post Const.)	2,195,100	\$ 15.00	\$ 21.56	\$ 21.56	\$ 47,331,844
					\$ -
<b>Grand Total = \$</b>					<b>47,331,844</b>

**ALDOT: I-10 Bayway Project**

Updated Summary of Estimated Project Cost Estimate (2023 Dollars)  
(No Contingency)

August 7, 2023

**Project Section/Component****Toll Equipment Construction Cost****Table 11-1 – 2025 Capital Costs Estimate**

Capital Cost Category	Cost in 2025 Dollars
Toll Zone Lane Equipment	\$3,649,350
CSC Equipment	\$168,550
Common Equipment	\$187,470
Communications System	\$146,450
System Software	\$1,130,640
Spare Equipment	\$161,350
Civil Costs	\$1,717,960
Services	\$1,919,410
Contingency (10%)	\$908,120
<b>GRAND TOTAL</b>	<b>\$9,989,300</b>

File: ALDOT I-10 Mobile Toll Collection CAPITAL&amp;R&amp;R COSTS, Scenario 5f 03-24-2018.v

<b>Total (without Contingency) = \$ 9,081,182</b>
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- Estimate provided by CDM Smith

**ALDOT: I-10 Bayway Project****Updated Summary of Estimated Project Cost Estimate (2023 Dollars)****(No Contingency)**

August 7, 2023

**Project Section/Component*****Replacement of ITS on Bayway***

Description	Quantity	Unit	Unit Price	Extension
Equipment Cabinet	20	EA	\$ 10,000	\$ 200,000
Camera Pole with Foundation, 50' Pole	24	EA	\$ 12,000	\$ 288,000
Radar Detection System	96	EA	\$ 7,500	\$ 720,000
Pull Box	24	EA	\$ 1,000	\$ 24,000
On Street Video Equipment	24	EA	\$ 10,000	\$ 240,000
Dynamic Message Sign, Large	8	EA	\$ 140,000	\$ 1,120,000
Dynamic Message Sign, Medium	8	EA	\$ 90,000	\$ 720,000
Sign Support, Large	8	EA	\$ 175,000	\$ 1,400,000
Sign Support, Medium	8	EA	\$ 60,000	\$ 480,000
Fiber Optic Cable, 96 SM	126,720	LF	\$ 4	\$ 506,880
Traffic Conduit, Underground	31,680	LF	\$ 16	\$ 506,880
Traffic Conduit, Aerial Supported	73,920	LF	\$ 25	\$ 1,848,000
Hardened Network Switch	16	EA	\$ 15,000	\$ 240,000
Terminal Server	6	EA	\$ 1,300	\$ 7,800
TMC Modifications	1	LS	\$ 200,000	\$ 200,000
Video Encoder	12	EA	\$ 3,000	\$ 36,000
Roadway Weather Information System	4	EA	\$ 75,000	\$ 300,000
Electric Cable	126,720	LF	\$ 8	\$ 1,013,760
Real-Time River Current System	1	EA	\$ 425,000	\$ 425,000

<b>ITS Costs (2017\$) =</b>	<b>\$ 10,276,320</b>
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Projected Cost Escalation = 3.5% per year	27.2%
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<b>Grand Total (2023\$) = \$ 13,074,349</b>
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**ALDOT: I-10 Bayway Project**

Updated Summary of Estimated Project Cost Estimate (2023 Dollars)  
(No Contingency)

August 7, 2023

**Project Section/Component**  
**Environmental Mitigation Cost**

**Estimated Costs Associated With the Mobile River Bridge Mitigation Project**

**SAV and Marsh Island Wetland Construction and Monitoring Costs**

Item #	Description	Unit	2017 Rate	2023 Rate	# of Units	Total
1	Surveying (Bathymetry, etc.)	Job Cost	\$15,000	\$19,200	1	\$19,200
2	Dredge Borrow Material	Cub. Yds	\$13.00	\$16.64	167,000	\$2,778,880
3	Silt Curtain	Linear Ft	\$14.00	\$17.92	8,000	\$143,360
4	Turbidity Monitoring (4 months)	Month	\$30,000	\$38,400	4	\$153,600
5	Dredging Mobilization / Demobilization (estimated)	Job Cost	\$600,000	\$768,000	1	\$768,000
6	Planting of Marsh Grasses	Per Plant	\$2.50	\$3.20	29,000	\$92,800
7	Settlement Plates	Per Plate	\$500.00	\$640.00	12	\$7,680
<b>Construction Sub-Total:</b>						<b>\$3,963,520</b>

Item #	Description	Unit	2017 Rate	2023 Rate	# of Units	Total
8	Topographic / Bathymetry Monitoring (5 years)	Year	\$20,000	\$25,600	5	\$100,000
9	Marsh and Submerged Aquatic Vegetation Monitoring (5 years)	Year	\$50,000	\$64,000	5	\$250,000
<b>Total Estimated Monitoring Cost:</b>						<b>\$350,000</b>

Item #	Description	Unit	2017 Rate	2023 Rate	# of Units	Total
10	Construction Contingency (5% of Construction Sub-Total; Item #s 1-7)		\$154,825	\$198,176		\$198,176
11	CEI (8% of Construction Sub-Total; Item #s 1-7)		\$247,720	\$317,082		\$317,082
<b>Total Support Cost:</b>						<b>\$515,258</b>

2017 Prepared by Barry Vittor and Associates

2017 Estimated Cost (less Contingency) =	\$3,446,500.00
	\$ 10,000,000.00
<b>2023\$ Estimated Cost (less Contingency &amp; CEI) =</b>	<b>\$14,313,520</b>